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# 1949 Catalog . . .

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U. S. Department of Agriculture



**CAMPBELL**  
**SEED STORE**

**137 West Colorado Street, PASADENA 1, CALIF.**





**GIANT HYBRID AMARYLLIS**

An exotic, colorful lily, hardy for potting or garden. Seeds 5c each; 25 for \$1.00.



**ALSTROEMERIA, Peruvian Lily**

A splendid cut flower. The plant forms small bulbs which may be dug and replanted each year. Pkt. 25c.



**GOLDEN GLEAM LILY**

An unusual Lily to dramatize your garden borders. It grows readily from seed. Pkt. 25c.

**RANUNCULUS, Tecolote Giants**

Beautiful colors and lasting qualities as a cut flower make this a favorite early Spring flower. Pkts. 50c and 25c.



# NOVELTIES FOR 1949

## ORCHID SNAPDRAGON

At last, a new color in Snapdragons. This striking orchid lavender is a development in the interesting new "Tetra" strain, which features bushy plants and large full flower spikes. **Pkt. 35c.**

## BLUE STAR MORNING GLORY. "All America" '49.

The huge blossoms are a silky shimmering light blue highlighted by a deep blue star in the center. This rapidly growing vine will furnish an abundance of Summer color. **Pkt. 25c.**

## CARNATION, "ALL SEASON BLEND"

To please our customers who want the best Carnations and want them flowering all season, this special blend was made. It contains all the best varieties, from the earliest to the latest, in a remarkable color range. In all localities many of these fragrant and richly colored Carnations will start flowering the first year. **Pkt. 25c.**

## PRINCESS LINDA ASTER

A new Princess appears in the Bodger royal family of Asters, bringing a rich lively rose shade to this popular type. The flowers with their full crested centers and wide guard petals are unusually good keepers. **Pkt. 25c.**

## "SILVER MEDAL" PETUNIA. "All America" '49.

This is a lovely Salmon-pink Petunia, so much needed to fill out the color range in bedding varieties. That it is top winner of the year in the All America Selections is its best recommendation. **Pkt. 35c.**

## CLIMBING PANSY

An unusual Pansy which can be trained to a height of 3 or 4 feet. It was first a florist development for length of stem and abundance of flowers, and now is popular for trellis growing in garden or sun room. It also trails gracefully from pots, hanging baskets and window boxes. **Pkt. 50c.**

## PASTEL POLYANTHUS PRIMROSE

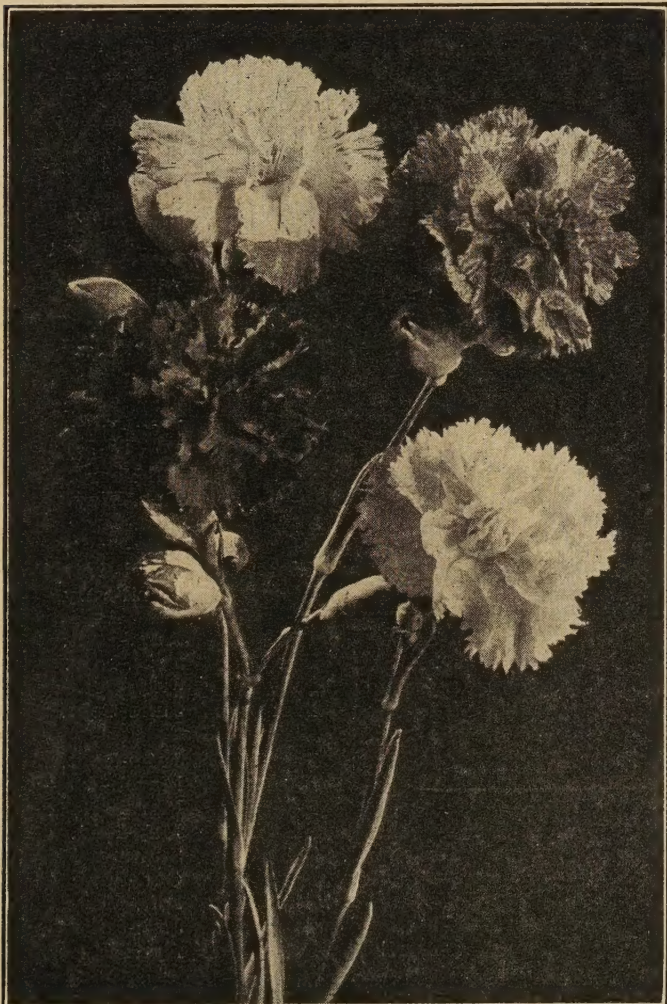
This perennial "English" Primrose is a new hand-pollinated selection of pink, lavender, salmon, apricot and two tone shades. These are Primroses for the discriminating. Save even the smallest seedlings. **Pkt. \$1.00; 1/2 Pkt. 50c.**

## BUSH VERBENA

Very valuable for Summer borders is this new type Verbena. The broad, flat-topped, bushy plants, 10 inches high and 12 to 15 inches across, make an even, uniform border closely covered with flowers from April to November. **Salmon Queen** and **Starlight**, a mid blue with white eye, blend satisfyingly with most garden color schemes. **Pkt. 25c.**



BUSH VERBENA



CARNATION. All Season Blend.



CLIMBING PANSY



# Campbell's Simplified Planting Chart for Flowers

NAME	Sow	Where	Bloom	Height	NAME	Sow	Where	Bloom	Height
Acroclinium	Nov.-March	Open	April-July	1½ ft.	Helianthus	Dec.-April	Flat	Summer	4-10 ft.
Agatheia	March-Aug.	Flat	All Year	1½ ft.	Helichrysum	Oct.-May	F-O	April-Sept.	3 ft.
Ageratum	Feb.-Aug.	Flat	June-Oct.	½-2 ft.	Heliotrope	Feb.-May	Flat	June-Nov.	3 ft.
Agrostemma	March-Sept.	Flat	June-July	2 ft.	Heuchera	July-March	Flat	May-Aug.	1½ ft.
Alyssum Sweet	Anytime	Open	All Year	6 in.	Hollyhock	Feb.-Aug.	F-O	June-Sept.	5 ft.
Amaranthus	March-June	F-O	Summer	3-4 ft.	Hunneemannia	Nov.-April	F-O	June-Sept.	2 ft.
Alyssum	March-June	Flat	April-May	10 in.	Iberis			Feb.-June	1 ft.
Anagallis	March-June	Open	May-Aug.	8 in.	Impatiens	March-June	Flat	June-Oct.	1½ ft.
Anchusa	March-July	F-O	Summer	2 ft.	Kochia	Jan.-June	Open	Foliage	2-3 ft.
Anemone	July-Nov.	F-O	March-April	8 in.	Lantana	Jan.-April	Flat	May-Nov.	1-5 ft.
Antirrhinum	July-Feb.	Flat	Jan.-July	½-4 ft.	Lathyrus	Nov.-May	Open	June-Aug.	
Aquilegia	April-Aug.	Flat	May-July	3 ft.	Larkspur	Sept.-March	Open	April-July	3-5 ft.
Arabis	Anytime	Flat	Feb.-April	8 in.	Lavender	Oct.-March	Flat	April-June	2 ft.
Arctotis	Anytime	Flat	All Year	1½ ft.	Leptosyne	Sept.-Apr.	Open	April-Sept.	1½ ft.
Aster	Feb.-June	Flat	July-Sept.	2½ ft.	Linaria	Sept.-May	Open	Jan.-Aug.	15 in.
Aster, Per	Feb.-June	Flat	Sept.-Nov.	2 ft.	Linum rubrum	Anytime	Open	All Year	2 ft.
Aubretia	Jan.-May	Flat	Feb.-April	6 in.	Lobelia	Jan.-May	Flat	May-Nov.	4 in.
Balsam	March-May	F-O	June-Sept.	1½ ft.	Lupinus	Dec.-April	Open	March-July	1-3 ft.
Bartonia	Nov.-April	Open	March-July	2 ft.	Marigold	Jan.-July	Flat	July-Nov.	1-3 ft.
Begonia	Jan.-May	Glass	All Year	6 in.	Matricaria	Dec.-April	Flat	June-Nov.	1-2 ft.
Bellis	Oct.-April		Feb.-Aug.	6 in.	Matthiola	Jan.-July	Open	June-Sept.	2 ft.
Brachycome	Nov.-April	Open	March-July	10 in.	Mignonette	Anytime	Open	All Year	1 ft.
Browallia	Sept.-March	Open	Jan.-June	1 ft.	Mimulus	March-June	Flat	May-Aug.	10 in.
Calceolaria	Aug.-Dec.	Glass	Jan.-May.	1 ft.	Mina lobata	Feb.-May	Open	Aug.-Nov.	
Calendula	July-March	Flat	Dec.-June	2 ft.	Morning Glory	March-June	Open	June-Nov.	
Campanula	April-July	Flat	May-July	3 ft.	Myosotis	Aug.-Oct.	F-O	Feb.-June	1 ft.
Calliopsis	March-July	Open	June-Oct.	1-3 ft.	Nasturtium	Anytime	Open	Jan.-Aug.	10 in.
Candytuft	Nov.-May	Open	March-Aug.	1 ft.	Nemesia	Oct.-April	F-O	Feb.-June	1 ft.
Carnation	Oct.-April	Flat	May-Oct.	1½ ft.	Nemophila	Oct.-May	Open	Jan.-Aug.	10 in.
Celosia	March-May	Flat	July-Oct.	1-2 ft.	Nicotiana	Oct.-June	Open	Feb.-June	1 ft.
Centaurea	Nov.-May	F-O	March-Aug.	1-3 ft.	Nierembergia	Jan.-April	Flat	March-June	6 in.
Cheiranthus	Sept.-March	F-O	March-Aug.	1 ft.	Pansy	July-Dec.	Flat	Oct.-July	6 in.
Chrysanthemum	Feb.-May	Flat	Sept.-Dec.	3 ft.	Pensimon	Aug.-Nov.	Flat	March-Nov.	2 ft.
Cineraria	June-Oct.	Flat	Feb.-June	1-3 ft.	Petunia	Jan.-July	Flat	Mar.-Nov.	6-30 in.
Clarkia	Nov.-April	Open	April-July	2 ft.	Phacelia	Nov.-April	Open	March-July	1-2 ft.
Cleome	Feb.-May	Open	June-Oct.	4 ft.	Phlox Drummondii	Jan.-July	F-O	April-Nov.	1 ft.
Coboea	Feb.-May	Open	July-Aug.		Poppy, Iceland	Aug.-March	F-O	Jan.-July	1½ ft.
Coleus	Feb.-May	Glass	Foliage	1-2 ft.	Poppy, Shirley	Nov.-May	Open	March-July	1½ ft.
Collinsia	Nov.-April	Open	March-June	15 in.	Portulaca	Feb.-May	F-O	June-Oct.	6 in.
Cosmos	March-July	Open	June-Oct.	3-5 ft.	Primula poly.	Nov.-May	Flat	March-May	6 in.
Coreopsis	Nov.-March	Flat	May-Aug.	3 ft.	Primula malac.	May-Oct.	Flat	Dec.-May	1 ft.
Cyclamen	June-Aug.	Flat	Oct.-May	1 ft.	Pyrethrum	Sept.-May	Flat	March-June	1½ ft.
Cynoglossum	Oct.-March	F-O	March-July	2 ft.	Ranunculus	July-Nov.	F-O	Feb.-May	1 ft.
Cypress Vine	March-May	Open	July-Sept.		Rudbeckia	Aug.-May	Flat	Aug.-Nov.	2 ft.
Dahlia	Feb.-May	F-O	July-Oct.	1-6 ft.	Saintpaulia	Anytime	Glass	All Year	6 in.
Delphinium	Anytime	Flat	April-Oct.	5 ft.	Salpiglossis	Nov.-May	F-O	April-Sept.	2 ft.
Dianthus	Feb.-May	Flat	All Year	1 ft.	Salvia	Feb.-May	Flat	June-Sept.	1-2 ft.
Didiscus	Feb.-May	F-O	June-Sept.	2½ ft.	Sanvitalia	Jan.-May	Open	Summer	6-12 in.
Digitalis	March-June	Flat	April-July	4 ft.	Saponaria	Feb.-April	Open	April-July	2 ft.
Dimorphotheca	Anytime	F-O	Nov.-June	1 ft.	Scabiosa	Oct.-May	F-O	Mar.-Sept.	2½ ft.
Eschscholtzia	Aug.-March	Open	Jan.-May	1 ft.	Schizanthus	Nov.-May	F-O	Mar.-July	1½ ft.
Four o'Clock	Oct.-April	F-O	Summer	1-2 ft.	Shasta Daisy	Anytime	Flat	May-Aug.	2 ft.
Gaillardia	Sept.-April	Flat	March-Sept.	2 ft.	Statice	Anytime	Flat	All Year	2 ft.
Gazania	April-July	Flat	Summer	6 in.	Stevia	Jan.-May	F-O	Dec.-May	2 ft.
Gerbera	Anytime	Flat	All Year	1½ ft.	Stock	July-March	Flat	Dec.-June	2 ft.
Geum	July-Sept.	Flat	April-July	1-2 ft.	Stokesia	Dec.-April	Flat	July-Sept.	2 ft.
Gilia	Nov.-May	Open	June-Oct.	1 ft.	Streptocarpus	Nov.-March	Glass	April-Oct.	6 in.
Gloxinia	Jan.-April	Glass	March-Aug.	1-2 ft.	Sweet William	Oct.-May	Flat	April-July	1½ in.
Godetia	Nov.-May	Open	July-Oct.		Thalictrum	Oct.-May	Flat	Aug.-Sept.	4 ft.
Gourds	March-June	Open			Tithonia	March-June	F-O	Sept.-Nov.	6-8 ft.
Gypsophila	Anytime	F-O	All Year	2 ft.	Torenia	Feb.-June	Flat	July-Oct.	9 in.
					Trachelium	Feb.-May	Flat	June-Sept.	1½ ft.
					Valeriana	Dec.-April	F-O	June-Sept.	2½ ft.
					Venidium	Jan.-May	F-O	March-July	2 ft.
					Verbena	Dec.-Aug.	F-O	March-Nov.	1 ft.
					Vinca	Feb.-April	Flat	May-Nov.	1 ft.
					VINES	Feb.-May	Open	Summer	5-10 ft.
					Viola	July-March	Flat	Oct.-June	6 in.
					Violet	Sept.-May	Flat	Jan.-May	6 in.
					Virginian Stock	Oct.-May	Open	Jan.-July	6 in.
					Viscaria	Oct.-April	F-O	April-June	1 ft.
					Wallflower	Sept.-March	F-O	Jan.-June	1½ ft.
					Zinnia	Feb.-July	F-O	June-Nov.	1-3 ft.



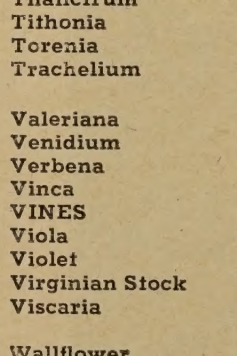
ARCTOTIS GRANDIS



HELICHRYSUM



EUPHORBIA



Zinnia



# Campbell's DEPENDABLE SEEDS

## FLOWER SEEDS

Since 1907 Campbell's Seeds have been collected from the best possible sources of the world, rare-plant specialists, foreign companies old enough to be traditions, and the wide, sunny valleys of California. They have been growing their own reputations in gardens all over the United States. Let them grow a reputation for You and Your Garden.

All seeds and books sent postpaid; prices of roots and plants do not include postage. All prices subject to change without notice.

Directions and advice are part of our service. Call on us when you want to hire a gardener.

Ask for our Bulb List, ready by mid-August.

Should you not find the certain variety of seed you want in this catalog, ask us for it. We are in touch with the leading growers in this country and can obtain kinds not in stock in from 3 to 10 days, if they are available.

In the brief descriptions of flower seeds that follow we have compiled much information for most of them, such as germination period, time best for sowing, duration of plants (whether perennial (Per.), plants growing and flowering for several years; biennial (Bien.), growing the first year to flower and die the second, and annual (assumed to be the duration if no other habit is indicated), and notes on culture. The colors found in each genus indicates the normal color range but need not infer that all these are available in separate colors.



ALYSSUM, CARPET OF SNOW

### ABRONIA umbellata, Sand Verbena. a-broh'-ni-a. Full Sun.

Rosy-lilac, verbena-like flowers, fragrant at night; trailer for sunny rockery or window box. Sow November to April. Pkt. 10c.

### ACROCLINIUM roseum hybridum. ak-roh-klin'-ee-um. Full sun.

Pink and white, double, everlasting flowers; often bloom in 8 weeks; 1½ feet high. Sow November to March. Germination period 2 to 3 weeks.

**New Sensation Giants**, with richer colors and larger flowers; splendid for cut flowers, used either fresh or dried. ⅛-oz., 40c; Pkt. 10c.

### AGATHEA

Clear blue with yellow disk; splendid for small bouquets; good border or low hedge; 1 to 2 feet high. Sow March to Aug. Pkt. 10c.

### AGERATUM mexicanum, Floss Flower. a-ger-ay'-tum.

Blue, feathery flowers in clusters; very free blooming all Summer and Fall. Sow February to June. Germination period 14 days.

**Midget Blue**. 3 inches. Pkt. 15c.

**Blue Ball Improved**. 6 inches. Pkt. 15c.

**Fairy Pink**. Rose-pink, 4 inches. Pkt. 15c.

### AGROSTEMMA coronaria, Rose Champion. Per. Sun.

a-gross'-stem-ma.

Blood red flowers, with silvery foliage; for beds, or cutting; 2 feet. Sow March to September. Germination period 10 to 14 days. Pkt. 10c.

### ALSTROEMERIA. Per. al-stre-me'-ri-a. Sun.

**Peruvian Lily**. Bright attractively striped flowers growing on a strong shrubby plant 2-3 feet tall. Lasting as cut flowers. Small bulbs are formed which may be dug and replanted. Sow March to October. Germination period 10-14 days.

**Aurantiaca**. Orange striped red.

**Chilense**. Shades of pink salmon, and apricot. Pkt. 25c.

### ALYSSUM. Sweet. a-liss'-sum. Sun, half shade.

White, lilac, cream fragrant heads of tiny flowers; fine for edgings, beds, or ground cover. Sow any time. Germination period 10 to 20 days.

**Carpet of Snow**. Spreading white; 3 inches. ½-oz., \$1.00; Pkt. 10c.

**Lilac Queen**. Lavender; 6 inches. Oz., \$1.00; ½ oz., 55c; Pkt. 10c.

**Little Gem**. White; 6 inches. Oz., \$1.00; ½ oz., 55c; Pkt. 10c.

**Cream Yellow**. 6 inches. ½ oz. 95c; Pkt. 10c.

**Maritimum**. Very fragrant white; 1 foot. Oz. 60c; ½ oz. 40c; Pkt. 10c.

**Violet Queen**. New deep bright violet; 4 inches. Oz. \$1.00; ½ oz. 90c; ¼ oz. 50c; Pkt. 15c.

### ALYSSUM saxatile. Per. Full sun.

Yellow flowers in masses; 1 foot; fine for borders. Sow March to July for late Spring bloom.

**Gold Dust**. Bright golden yellow. ¼ oz. 40c; Pkt. 10c.

**Citrinum**. Sulphureum; pale yellow. Pkt. 15c.

### AMARANTHUS. am-a-ranth'-us. Sun.

Showy Summer bedding annuals; prefer lime soil.

#### COLORED FOLIAGE

**Molten Fire**. Fiery crimson; 4 feet. Pkt. 10c.

**Salicifolius**. Fountain Plant; bright red-and-gold "shredded" foliage. Pkt. 10c.

**DROOPING RED TASSELS: Caudatus, Love-Lies-Bleeding**. All about 3 feet. Sow March to June. Germination period 5 to 10 days. Pkt. 10c.

**Tricolor**. Joseph's Coat. Pkt. 10c.

### AMARYLLIS. am-a-ril'-is. Sun or light shade.

**Rice's Hbyrids**. A lovely, large flower in shades of deep red, scarlet, rose, orange, cream, white, solid colors and stripes. These hardy flowers develop large heavy bulbs which multiply. Fine for pots or mild climate gardens. Seeds 5c each; 25 for \$1.00.

### ANAGALLIS grandiflora. a-na-gal'-lis. Sun.

Vivid blue, brick-red, lavender; for sunny rockeries, low beds and borders; 8 inches. Sow March to June. Germination period 3 weeks. **Blue, Red, and Mixed**. Pkt. 10c.

### ANCHUSA capensis, Blue Bird. an-choo'-sa. Sun.

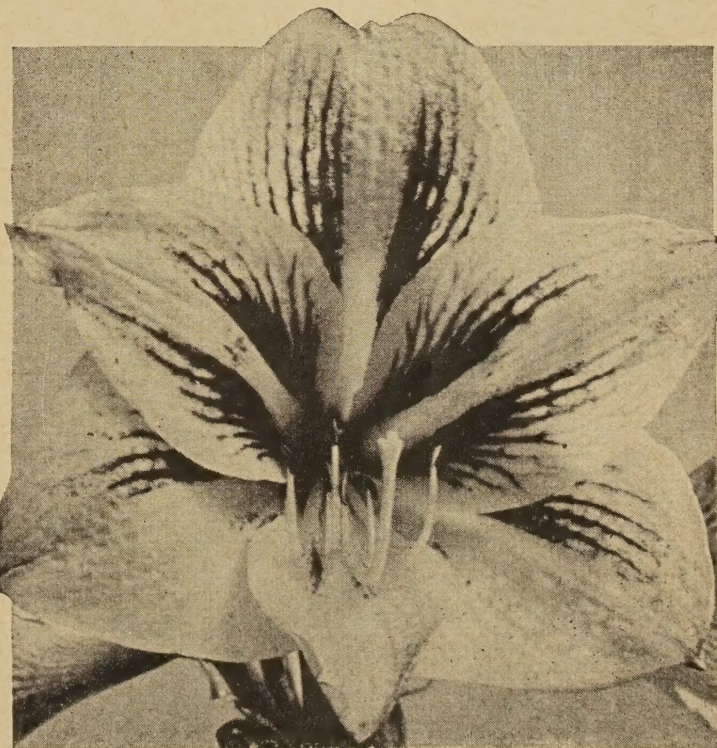
Deep blue, Forget-Me-Not-like flowers, for sun; 2 feet. Sow October to April. Pkt. 10c.

### ANCHUSA italica. Per. Sun to light shade.

Large Forget-Me-Not-like flowers; 3 to 5 feet tall. Sow March to July. Germination period 2 to 3 weeks.

**Gentian Blue**. Pkt. 10c.

**Lissadel**. Bright blue. Pkt. 10c.



HYBRID AMARYLLIS



**ANTIRRHINUM, Snapdragon.** an-tir-ry'-num. Sun.

Rich colors in a wide range, with a long blooming season, make this one of the most popular as well as one of the best bedding and cutting annuals. Sow July to April. Germination period 10 to 15 days.

**Rust-resistant varieties** now equal the old in color and form, and are immune, or very resistant, to rust. Unless otherwise noted, all varieties listed are **Rust-resistant**.

**MAXIMUM.** Large-flowered and tall; 3 to 4 feet.

**Alaska.** Finest white.

**Apple Blossom.** Pink with white tube.

**Campfire.** Pure luminous scarlet.

**Canary Bird.** Clear rich yellow.

**Copper Queen.** Deep bronzy copper.

**Copper Shades.** Velvety orange and old gold.

**Paradise Rose.** Rose pink.

**Crimson.** Deep velvety red.

**Loveliness.** Soft glowing pink.

**Maximum Mixed.** 1/16 oz. 45c; Pkt. 10c.

**Separate Colors.** Pkts. 15c; 3 for 35c.

**MEDIUM.** The finest height for bedding; 1½ to 2½ feet.

**Mixed, All Colors.** 1/16 oz. 45c; Pkt. 10c.

**SUPER MAJESTIC.** New group, with extra-long flowers on plants intermediate in height. The long flower-spikes give the effect of somewhat greater height than the medium group:

**Autumn Glow.** Old rose suffused amber.

**Buttercup.** Rich yellow.

**Copper Shades.** Copper-orange to old gold.

**Dainty.** Light pink.

**Harmony.** Terra cotta and yellow, tinted pink.

**Red Rocket.** Bright red.

**Reveille.** Pale golden yellow.

**Rose Sensation.** Best salmon-tinted rose-pink.

**Royal Crimson.** Garnet.

**Silver Pink.** Clear; delicate pink.

**Tangerine.** Golden orange shades.

**Super Majestic Mixed.** 1/16 oz. 50c; Pkt. 15c. Separate colors: Pkt. 20c; 3 for 50c.

**NEW "TETRA" SNAPDRAGONS**

Big flowers on tall, husky plants, very rust-resistant; unusual colors. Mixed. Pkt. 25c.

**DWARF.**

**Magic Carpet.** New, dwarf mixture, not rust-resistant. Pkt. 15c.

**AQUILEGIA, Columbine.** Per. a-kwi-lee'-ji-a. Sun to shade.

Yellow, pink, blue, orange and red large airy flowers on graceful plants in Spring and early Summer; stand sun or partial shade; 2 to 3 feet. Sown April to August will bloom next Spring. Germination period 20 to 60 days.

**Alpina.** Dwarf blue; 18 inches. Pkt. 10c.

**Chrysanthia Yellow.** Pkt. 10c.

**Clematiflora.** New, spurless variety, in clear pastel colors, with large open flowers like Clematis. Pkt. 35c.

**Long-spurred varieties:**

**Blue Shades.** Extra selected.

**Crimson Star.** Deep red, starred white.

**Orange and Scarlet Shades.**

**Snow Queen.** Finest white.

**Rose Queen.** Pink and rose.

**Campbell's Hybrids.** Unusual shades, wide color range. 1/32 oz. 50c; Pkt. 25c.

All above 1/32 oz. 75c; Pkt. 15c.

**AQUILEGIA****ARCTOTIS, NEW HYBRIDS****ARABIS alpina, Rock Cress.** Per. ar'-ra-bis. Sun, light shade.

White, fine flowers, forming blanket of bloom in Spring in sun, on poor soil; 8 inches. Sow any time. Germination period 3 weeks. Pkt. 10c.

**ARCTOTIS, African Daisies.** Per. ark-toh'-tis. Full sun.

Large daisies on long stems, for cutting and beds; fine in extra-dry sunny places; 1½ feet. Sow October to April for bloom first Summer.

**Grandis.** Pale lilac. Pkt. 10c.

**New Hybrids.** Containing many shades of yellow, orange, bronze, red, and lavender, almost constantly in bloom. Large Pkt. 35c; Small Pkt. 15c.

**ARMERIA formosa, Sea Pink; Thrift.** Per. ar-meer'-i-a. Sun.

Rose pink flower-clusters above grassy foliage; for cutting and borders. Sow January to July. Germination period 2 weeks. **Large-flowered Hybrids**, with large heads on 15-inch stems. Pkt. 15c.

**ASTERS**

One of the best Summer bedding and cutting annuals. Sow all varieties February to June. Single Rainbow as late as August. Germination period 1 to 2 weeks. Full sun. Mixtures listed below usually contain pink, rose, lavender, purple, crimson and white.

**EARLY GIANT.** New wilt-resistant group, similar in flower to the California Giants, but somewhat shorter in height and not so spreading.

**Light Blue, Peachblossom.** Light pink. **Rose Marie.** Rich rose-pink. Pkt. 20c.

**SUPER GIANT TYPE.** New, greatly improved California Giants, earlier and larger-flowered. **El Monte.** Giant crimson-red. **Los Angeles.** Giant clear pink. Pkt. 15c.

**CREGO.** Large, curly-petalled; medium-length stems; 2½ feet; wilt resistant.

**Blue Flame.** Bright navy blue.

**Crimson.** Glowing deep rose-crimson.

**Cattleya.** Fascinating shade of orchid.

**Purple.** Showy violet purple.

**Pink.** Beautiful shell pink.

**Rose.** Lovely bright carmine rose.

**White.** Purest white, large and fluffy.

**Crego's Finest Mixed.** Pkt. 10c.

**HEART OF FRANCE.** Rich red, medium-sized flowers; wilt-resistant. Pkt. 15c.

**CALIFORNIA GIANTS.** Long-stemmed, double, curly-petalled; 2½ feet. **Rose, September Beauty.** Shell pink, charming. **Rose, Peachblossom, Light Blue, Purple, White, and Mixed.** 1/16 oz. 35c; Pkt. 10c.

**EARLY BEAUTY.** Long-stemmed, double, incurve. **Light Blue, Purple, Crimson, White and Mixed.** Wilt-resistant. 1/16 oz. 35c; Pkt. 15c.

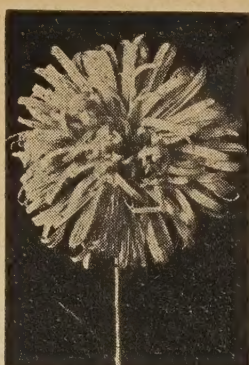




ASTER, BEAUTY



ASTER, SUNSHINE



ASTER, CREGO

**SINGLE RAINBOW.** Very floriferous for bedding and cutting; 2 feet. **Pink, Rose, Light Blue, Purple, Mixed.**  $\frac{1}{4}$  oz. 45c; Pkt. 10c.

**GIANT CALIFORNIA SUNSHINE.** New, large, single, anemone-centered;  $2\frac{1}{2}$  feet. **Mixed Pkt.** 15c.

**QUEEN OF THE MARKET.** Early branching variety.  
**Ballet Queen.** Fascinating salmon-rose.  
**Finest Mixed.** Pkt. 10c.

**QUILLED POMPON MIXED.** Pkt. 15c.

#### ASTER, Princess

The Princess Asters have a full deep crested center, surrounded by several rows of dainty plumelike guard petals. This is a very attractive new cutting strain of early wilt-resistant Aster, branching and bearing quantities of flowers on strong stems. **Princess Anne** has a dainty peach blossom coloring. **Princess Barbara** a lively shade of lavender. **Princess Bonnie** is soft salmon rose with a rich golden center. **Princess Marsha** is a striking cinnabar scarlet.  
**Golden Sheaf.** Yellow. Pkts. 25c; 5 for \$1.00.

**AUBRIETA, Rainbow Rock Cress.** *Per.* au-bre'-tah. Sun.  
Lavender, pink, and purple flowers, resembling Virginian Stock, for sunny rockery or border; 6 inches. Sow January to May. Germination period 25 days. **Deltoides.** Blue-lilac.  
**Large-flowering Hybrids Mixed.** Pkt. 15c.

**BABY BLUE EYES.** See *Nemophila*.

**BABY'S BREATH.** See *Gypsophila*.

**BACHELOR'S BUTTON.** See *Centaurea cyanus*.

**BALSAM, Lady's Slipper.** ball'-sum. Sun.  
Pink, salmon, red, white, double camellia-like flowers on bushy plants, thrives in hot sun and rich soil, copiously watered; 18 inches. Sow March to May. Germination period 10 to 14 days.

**Giant Camellia-flowered.** **Mixed.**  $\frac{1}{8}$  oz. 25c; Pkt. 10c.

**BARTONIA, Mentzelia, Blazing Star.** bar-tone'-i-a. Sun.  
Golden yellow, large, silken-petalled flowers with many stamens; California native, for sun and shady soil; 2 feet. Sow November to April. Germination period 5 to 10 days. Pkt. 15c.

**BEANS.** See *Dolichos*, and *Scarlet Runner*.



TUBEROUS BEGONIA  
Camellia Flowered

#### BEGONIA. *Per.* bee-gohn'-i-a. Sun to shade.

Useful bedding and pot plants, for full or partial shade. Sow January to May, on surface of fibrous loam, fine sand and leaf mold, preferably under glass, and watering from below.

##### FIBROUS-ROOTED:

**Carmen.** Salmon-rose, bronze foliage.

**Christmas Cheer.** Darkest scarlet; large.

**Christmas Pink.** Large rosy pink.

**Ile de France.** White, green foliage.

**Indian Maid.** Scarlet, very dark foliage.

**King of the Reds.** Favorite dwarf red.

**Luminosa.** Scarlet, brown foliage.

**Masterpiece.** Pale pink, green foliage.

**Prima Donna.** Rose-pink, green foliage.

**Scandinavia.** Fine dwarf pink.

**White Pearl.** Clear white. Pkt. 50c; Small Pkt. 25c.

**TUBEROUS-ROOTED.** We offer only seed grown by Vetterle & Reinelt, originators of the finest American Tuberous Begonias. These extravagantly beautiful flowers are in shimmering shades of pink, apricot, rose, white, flame-orange, crimson, scarlet, yellow and salmon. Grow them in the shade in pots or beds with plenty of leaf mold. Treat them to a frequent mist spray in hot weather.

**Camellia Flowered Double, Mixed.** The largest, most popular type in beautiful colors. Pkt. 75c.

**Fimbriata plena, Mixed.** Double frilled, like huge Carnations. Pkt. 75c.

**Ruffled Novelties of 1948.** Amazingly beautiful crosses between Camellia Flowered and Fimbriata varieties, featuring fine forms, and huge fringed and fluted flowers in the lighter color tones. Pkt. \$1.00; Small Pkt. 75c.

#### BELLIS perennis, English Daisy. *Per.* Bell'-lis. Sun to shade.

Pink, red, and white double flowers for edgings and low beds in sun or shade; 6 inches. Sow August to April (blossoms in 5 months). Germination period 10 to 14 days. **Monstrosa** (large-flowered) sorts; **Aetna**, quilled red; **Light Pink**; **Deep Rose**; **White**; **Mixed.** Large Pkts. 25c; Small Pkts. 10c.

#### BRACHYCOME iberidifolia, Swan River Daisy. bra-kick'-o-me.

Sun or part shade.

Blue, pink, and white flowers like small Cinerarias, for low Winter and Springs beds, ground-cover, and cutting; 10 inches. Sow Nov. and May. Germination period 10 days. **Blue**; **Mixed.** Pkt. 10c.

#### BROWALLIA. brow-wall'-i-a. Sun or shade.

Pure blue flowers in all seasons, and in sun or shade; prefers rich soil; 1 foot. Sow any time. Germination period 1 month.

**Elata.** Amethyst blue, 18 inches tall. Pkt. 15c.

**Speciosa Major.** Large-flowered, bright blue pot variety. Pkt. 50c.

**Viscosa compacta.** Deep sapphire blue with white eye, 9 inches tall. Pkt. 25c.

#### CABBAGE, Flowering; Ornamental Kale. Sun.

The foliage, as it becomes well-developed, turns green-and-white, or shades of purple, etc., usually along the curly or fringed edges, so that the entire loose head resembles a huge flower; striking in flower arrangements. Sow March to September. Large Pkt. 35c; Small Pkt. 15c.



ASTER, CALIFORNIA GIANT





CALCEOLARIA, "SHEPHERD'S PURSE"

**CACTUS. Per. Full Sun.**

Drought-resisting, more or less spiny. Sow in small seed pans indoors, or when weather is warm outdoors.  
**All Kinds Mixed.** 50c Seeds, 35c; 15 Seeds, 15c.

**CALCEOLARIA. Per.** kal-see-oh-lay'-ri-a. Shade, part shade. Yellow, orange and red, spotted purse-shaped flowers in clusters, for pots and shady beds; about 1 foot. Sow August to December.

**Hybrida Grandiflora.** Large-flowered, tender pot strain. Pkt. 50c.

**Rugosa Hybrida, Flower Cloud Mixed.** Hardy strain with medium-sized flowers, for outdoor bedding in shade. Pkt. 50c.

## Calendula

**CALENDULA, Winter Marigold.** ka-len'-jew-la. Sun.

Shades and combinations of orange, yellow, and cream, double flowers, ideal for Winter and Spring beds and for cutting; 1 to 2 feet. Sow July to March. Germination period 10 to 14 days.

**FLAT-FLOWER VARIETIES:**

**Ball's Gold.** Large deep yellow.

**Ball's White.** Cream, picotee apricot.

**Campfire.** Large dark orange.

**Lemon Queen.** Clear yellow.

**Orange King Improved.** Standard rich orange.

**Art Shades Mixed.** New, pleasing mixture, many with picotee edges.

**All Varieties Mixed.** All, ½ oz. 75c; ¼ oz. 40c; Pkt. 10c.

**LOOSE-PETALLED VARIETIES:**

**Chrysanthia.** Sunshine, large, semi-double buttercup-yellow.

**Pacific Beauty Strain.** New, more uniformly large, fluffy flowers, longer stems, more resistant to heat.

**Apricot Beauty.** Delicate, two-toned apricot.

**Lemon Beauty.** Gleaming, pure yellow.

**Persimmon Beauty.** True persimmon-orange.

**Pacific Beauty Mixed.** All Pkts. 15c.

**Yellow Colossal.** New, improved Chrysanthia; larger, more double. ½ oz. 30c; Pkt. 15c.

**Trial Ground Blend.** New, selected for resistance to heat, and long blooming season, light and pastel shades, shaggy form. ½ oz. 75c; ¼ oz. 40c; Pkt. 10c.

**CALIFORNIA POPPY, Eschscholtzia.**

**CALLIOPSIS, Annual Coreopsis.** Kal-lee-op'-sis. Sun.

Bright yellow, yellow-and-red, and red daisy flowers, showy in Summer beds and as cut flowers. Sow March to July. Germination period 10 to 14 days.

**DWARF VARIETIES:**

**Golden Crown.** 1 foot; showy large deep yellow with small red center-zone.

**Dwarf Mixed.** 6 inches. All shades. Pkt. 10c.

**TALL VARIETIES MIXED.** 3 feet. Pkt. 10c.

**Crimson King.** Tall, dark red. Pkt. 10c.

**CAMELLIA, japonica.** Ca-mel'i-a. Flowering Shrub. Shade.

Many new and interesting variations of this very beautiful flowering shrub may result when they are raised from seed. The blooms are white, shades of red, rose, and pink, often striped. Sow in March.

**Hybrids Mixed.** Seeds, 10c each; 15 for \$1.00.

**CAMPANULA, Perennial Varieties. Per.** kam-pan'-you-la.

Blue, white, bell-shaped flowers. Sow October to March.

**Carpatica, Hare Bell.** Blue and white. 10 inches. Sun.

**Persicifolia, Peach Bell.** Mixed. 2-3 feet. Sun.

**Pyramidalis, Chimney Bell.** Mixed. 5-6 feet tall. Sun.

**Rotundifolia** (Blue Bells of Scotland). Blue, 1 foot. Sun, shade. Pkt. 15c.

**CAMPANULA medium, Canterbury Bells.** Sun.

Blue, pink and white, large bells on tall spikes. Usual type biennial, flowering second season; annual type flowers in 5 to 7 months from seed. Sow any time. Germination 10-15 days.

**BIENNIAL CANTERBURY BELLS.** 3 feet.

**Calycanthema.** Cup and Saucer type. Flowers have a saucer-like development at base. Very lovely.

**Rose Pink; White; Light Blue; Dark Blue.**

**Mixed.** Good color assortment. Pkt. 10c.

**Single Type.** Mixed only. 1/16 oz. 35c; Pkt. 10c.

**Double Mixed.** Flower fully double. Pkt. 10c.

**ANNUAL CANTERBURY BELLS.** 3 feet.

**Liberty Bell.** Deep blue.

**Wedding Bell.** Pure white.

**Angelus Bell.** Deep rose pink. **Mixed.** Pkts. 15c; 3 for 35c.

**CANDYTUFT.** Sun.

White, pink, lavender, and red flower-heads on bushy plants for borders, beds, and cutting; 1 foot. Sow November to May. Germination period 10 to 14 days.

**UMBELLATA VARIETIES:**

**Pink, Lavender, Rose, Cardinal, White, and Mixed.** ½ oz. 60c; Pkt. 10c.

**Dwarf Mixed.** Nana compacta, 6 inches. ¼ oz. 30c; Pkt. 10c.

**HYACINTH-FLOWERING VARIETIES:**

**Giant White.** Large spikes; 1 foot.

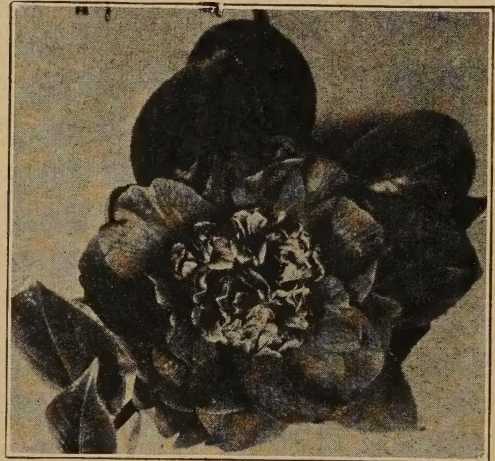
**Miniature Gem.** White; 4 inches. ¼ oz. 45c; Pkt. 10c.

**CANDYTUFT. Per.** See Iberis.

**CANNA. Per.** Sun.

Vivid pinks, yellows, oranges and reds, useful for foliage and flower mass effect; flower first year from seed, which soak; 3 feet. Sow January to May. Germination period 2 weeks.

**Crozy's Hybrids Mixed.** Pkt. 25c.



CAMELLIA

## Carnations

**CARNATION, Dianthus Caryophyllus. Per.** Sun.

Pink, rose, red, white, yellow; 1½ feet. Sow October to April. Germination period 10 days.

**Campbell's Perpetual Giant Hybrids Mixed.** Nice color variations, long blooming period, large blooms, good percentage of doubles. Pkt. 50c.

**Chabaud's Giant Pink, Rose, Scarlet, Crimson, Yellow, White, and Mixed.** Bloom in 6 months from seed. Pkt. 15c; 3 for 35c.

**Giant Enfant de Nice Carnations.** They are of compact growth with extremely stiff stems bearing flowers 2¼ to 2½ inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers. **Mixed.** Pkt. 15c.

**Improved Early Perpetual Giants.** Plants bloom in 5 months and continue all Summer. The flowers are unusually large, very double and clove scented on stiff 15 to 18-inch stems.

**Salmon Glory, Violet Queen, Canary Yellow, Mt. Blanc** (white), and **Choicest Mixed.** Pkts. 50c each.

**CASTOR OIL BEAN, Ricinus. Per.** ris'-i-nus. Sun.

Very rapid-growing foliage plant. Sow January to April. Germination period 2 weeks. **Zanzibariensis** (12 feet), green and bronze leaves. Pkt. 10c.

**CELOSIA, Cockscomb.** sell-oh'si-a. Full sun.

Crimson, rose, and yellow dense heads and plumes. Sow March to May. Germination period 7 to 10 days.

**Cristata, Cockscomb Type; Dwarf** (1 foot), **Crimson, Maple Gold** (gold tipped and shaded from light to deep pink), and **Tall** (3 feet), **Mixed.**

**Plumosa,** Feathered type; 2½ feet: **Crimson; Yellow; Pride of Castle Gould Mixed.**

**Childsii,** Chinese Woolflower; 2 feet: **Mixed.** Pkt. 10c.





**CANDYTUFT,  
HYACINTH**



**CAMPANULA  
BIENNIAL**



**CALLIOPSIS,  
GOLDEN CROWN**

**CENTAUREA, cyanus, Cornflower, Bachelor's Button.** Sun. Blue, rose, red, and white flowers for beds and bouquets. Sow November to May. Germination period 10 to 15 days.  
**Blue Boy.** Pure deep blue.  
**Pinkie.** Rose pink.  
**Snow Man.** White.  
**Red Boy.** Ruby red.  
**Mixed.** Pkt. 10c.  
**DWARF** bedding type; 1 foot:  
**Jubilee Gem.** Deep blue; very useful for both bedding and cutting.  
**Lilac Lady.** Pkt. 15c.  
**Polar Gem.** Clear white. Pkt. 15c.

**CENTAUREA imperialis, Sweet Sultan.** Sun. Pink, lavender, purple, white, and yellow fragrant flowers like large, soft thistles; 2½ feet. Sow November to May. Germination period 2 weeks. **Amaranth Red, Lavender, Pink, White, Yellow** (Suaveolens, not in mixture), and **Mixed.** Pkt. 10c.

**CENTAUREA americana, Basket Flower.** Sun. Large feathery lilac flower somewhat resembling an interwoven basket, on a handsome annual plant; 4 feet. Sow October to May. Germination period 2 weeks. Pkt. 10c.

**CENTAUREA.** See also Dusty Miller.

**CERASTIUM tomentosum, Snow in Summer.** Per. Sun. se-ras'-tee-um. White flowers and silvery foliage for sunny edgings and rockery; 8 inches. Sow January to June. Pkt. 10c.

**CHEIRANTHUS, Siberian Wallflower.** ky-ran'thus. Sun. Dazzling, bright orange or golden yellow flowers, produced freely from early Spring to Summer; 1 foot. Sow September to March. Germination period 2 weeks.  
**Vivid Orange; Golden Bedder.** Deep yellow. Pkts. 10c.

**CHRYSANTHEMUM.** Per. See also Matricaria, Pyrethrum, and Shasta Daisy. kris-an'-the-mum. Sun.  
**Korean Hybrids.** Early-flowering, bushy type for garden decoration. Single and semi-double. Mixed. Pkt. 25c.



**CARNATION, CAMPBELL'S GIANTS**

**CHRYSANTHEMUM, Annual, Painted Daisies.** Sun. Yellow, white, pink, and red, large daisy cut-flowers; 2 feet. Sow October to April. Germination period 10 to 18 days.  
**Tricolor Mixed.** Pkt. 10c.

**CINERARIA hybrids.** sin-e-rar'-ia. Shade. Unusually rich colors in the showiest early Spring bedding plant for shade, and pots. Sow June to October. Germination period 8 to 10 days.  
**Grandiflora Semi-Dwarf.** 16 inches: **Blue Shades, Crimson and Carmine Shades, Salmon, White.** Pkt. 50c.  
**Campbell's California Giant Strain, Mixed.** Notable for immense flowers and pleasing colors. Pkt. 50c.  
**Cremer's Prize Strain.** Semi-dwarf, with medium-sized flowers, but producing the largest heads of any type. Pkt. 50c.  
**Howard & Smith's Prize Strain.** Mixed. Pkt. 50c.  
**Multiflora Nana.** New dwarf (1 foot) type, with quantities of tiny flowers in all shades. Pkt. 50c.

**CLARKIA elegans.** clark'-i-a. Sun, light shade. Pink rose, red, purple, and white double carnation-like flowers along spikes, beautiful in the garden or cut; 2 feet. Sow November to April. Germination period 2 weeks.  
**Albatross.** Fine upright white.  
**Apple Blossom.** Delicate pink.  
**Firebrand.** Orange-scarlet.  
**La France.** Salmon pink.  
Pkt. 10c; 3 for 25c.  
**All Colors Mixed.** ¼ oz. 50c; Pkt. 10c.



**CENTAUREA IMPERIALIS, SWEET SULTAN**

**CLEOME Pink Queen.** Silver Medal A.A.S. '42. Sun. A tall attractive border subject, Cleome Pink Queen has huge heads of delightful true pink, with no trace of magenta. It reaches a height of 4 feet. Blooming from June till frost, and unaffected by disease or pests, it is a most desirable flower for bold clumps of color in background planting. Pkt. 15c.

**COCK'S COMB.** See Celosia.

**COIX lachrymae, Job's Tears.** koh'-ix. Sun. Interesting, grass-like plant, grown for its smooth, hard, tear-shaped seeds, often used for beads. Sow February to May, nicking seeds. Germination period 2 weeks. Oz. 40c; Pkt. 10c.

**COLEUS.** Per. ko'-lee-us. Shade or part shade. Ornamental foliage plant for pots or outdoors, with large, vari-colored velvety leaves in partial or full shade; 1 to 2 feet. Sow February to May. Germination period 10 to 15 days.  
**Rainbow.** Rich colors and markings. Pkt. 50c.  
**Exhibition Varieties.** Large, unusually patterned leaves. Pkt. 50c.

**COLLINSIA bicolor, Innocence.** kol-lin'-si-a. Blue-and-white flowers in spikes; California native for sun and shade; 15 inches. Sow November to April. Germination period 2 weeks. Pkt. 15c.

**COLUMBINE.** See Aquilegia.





COSMOS, YELLOW FLARE

CONVOLVULUS, Annual. See Morning Glories.

CORAL BELLS. See Heuchera.

**COREOPSIS lanceolata grandiflora.** Per. ko-ree-op'-sis. Sun.

See also Calilopsis and Leptosyne.

Chrome-yellow, large, glossy daisy flowers on long, graceful stems; 2 to 3 feet. Seeds sown November to March bloom first season. Germination period 3 weeks.

**Mayfield Giant.** Large-flowered single.**Double Sunburst.** New, large double yellow. Pkt. 10c.

CORNFLOWER. See Centaurea cyanus.

CONEFLOWER ASTER. See Stokesia.

**COSMOS.** koz'-mus. Sun.

Crimson, pink, and white daisy flowers for show and cut with light green, feathery foliage, thriving in poor or sandy soils. Sow March to July. Germination period 10 to 14 days.

**EARLY SORTS** (3 feet; bloom June-August):**Sensation.** New, with huge pink rose, and white flowers on strong bushes in 10 weeks. **Pinkie.** Rose-pink. **Purity.** White.**Dazzler.** Velvety maroon; '43 All America Winner.**Radiance.** Large rose, with crimson zone. Pkt. 15c.**Early Double Sensation.** Fluted and crested.**Mixed.****Orange Flare.** New early-flowering form of the Late Klondyke Cosmos. **Yellow Flare.** All America '42.**LATE SORTS** (5 feet; bloom September and October):**Single Pink, White, Crimson and Mixed.** Pkt. 10c.**Double Crested Mixed.** Pkt. 15c.

## Cyclamen

**CYCLAMEN persicum giganteum.** Per. sy'-kla-men.

Shade.

Salmon, pink, rose, red, lavender, white "shooting-star" flowers with beautiful foliage, for pots or outdoors in shade; 1 foot. Sow any month but allow 18 months to flower; July to September best time for Christmas bloom. Germination period 3 to 4 weeks.

Giant-flowered strain: **Rose-pink, Salmon, White, Red,** and **Mixed,** 6c per seed. **Double Mixed,** 8c per seed.**CYNOGLOSSUM amabile, Chinese Forget-Me-Not.** Sun.

sy-no-gloss'-um.

Pure blue and white, large forget-me-not-like flowers in sprays, good for cutting and bedding in sun. Sow October to April. Germination period 10 days.

**Clear Blue** (2 feet). Pkt. 10c.**Firmament.** Purest mid-blue, dwarf and bushy (15 inches) Pkt. 15c.**Mixed.** New, includes white, and many shades of blue. Pkt. 15c.

CINERARIA, CAMPBELL'S CALIFORNIA GIANTS

**DAHLIA.** Per. dal'-ya. Sun.

Great variety of colors and types blooming profusely and forming tubers the first season. Sow February to May. Germination period 10 days.

**Cactus Mixed.** 25 seeds, \$1.00.**Campbell's Prize Mixed.** From Cactus and Decorative, improved named sorts only. Pkt. 50c.**Fine Exhibition Varieties Mixed.** Seeds from new exhibition types which make good parents. No miniature or pompons selected. 15 seeds \$1.00; 100 seeds \$5.00.**Unwin's Dwarf Hybrids.** 1½ feet, early flowering, semi-double. Pkt. 10c.**Coltness Hybrids Improved.** New and complete range of colors in this fine, single flowered, dwarf compact (1 foot) bedding Dahlia. Pkt. 10c.**DATURA, Angel's Trumpet.** da-toor'-a. Sun.White, yellow, and purple, large, showy trumpet flowers on handsome specimen plants, in bloom all Summer; 3 feet. Sow February to May. Germination period, 2 to 3 weeks. **Double and Single Mixed.** Pkt. 25c.

## Delphinium

**DELPHINIUM CHINENSIS.** dell-fin'-i-um. See also Larkspur.

Dwarf annual, with flowers very similar to perennial sorts, for low beds and edgings; 1 foot. Sow December to April. Germination period 2 weeks. Sun or partial shade.

**Blue Butterfly Improved.** Ultramarine blue.**Blue Mirror.** Unusual spurless, deep blue. Pkt. 15c.**Azure Fairy.** Clear light blue. Pkt. 10c.

CYCLAMEN



**DELPHINIUM. Per.** Full sun, or high shade.

Splendid, stately border and bedding plant and cutting flower. Sow July to November for bloom in spring, or December to March for bloom that Summer. Germination period 2 to 3 weeks.

**Cultural Note:** Delphinium seed germinates best as soon as ripe. We supply New Crop seed exclusively, after July 15th each year, so that late Summer and Fall sowing is recommended. Chill seed 48 hours in refrigerator. When set out, deep soil, well-drained and enriched with old manure is best. Feed a balanced plant food like Vigoro. Delphiniums thrive in sun, yet prefer a cool climate.

**CUTFLOWER VARIETIES:**

**Cliveden Beauty, Improved Belladonna.** Light blue.

**Bellamosum.** Dark blue. Pkts. 15c.

**LARGE-FLOWERED, TALL BEDDING VARIETIES:**

**Campbell's XXX Hybrids,** with large flowers in all shades of blue and lavender-blue. Pkt. 25c.

**Cardinale.** Native scarlet larkspur. Pkt. 15c.

**Wrexham.** Hollyhock Flowered Strain; giant flowers in blue, white, and pink combinations. Pkt. 15c.

**PACIFIC GIANTS (New).** Fully double, mildew-resistant strain, the finest obtainable.

**Black Knight.** Darkest blues.

**Blue Jay Series.** Medium to dark blue.

**Galahad Series.** Enormous clear white, individual flowers often 3 inches across.

**Guinevere Series.** Pinkish lavender shades.

**Round Table Series.** Originator's cross-pollinated seed, containing all the colors and shades ever obtained.

**Summer Skies Series.** Light blue, white bee.

**All Shades Mixed and Separate Colors.** Pkt. 50c.

## Dianthus

**DIANTHUS, Annual Pinks. Sun.**

Shades of red, pink, crimson and white; 1 foot. Sow February to May. Germination period 5 to 10 days.

**HEDDEWIGI LACINIATUS (JAPANESE PINK) VARIETIES:**

**Crimson Belle.** Single crimson.

**Heddensis, Westwood Beauty.** A new type resulting from cross between Heddewigi x chinensis. Shades of crimson and scarlet. Pkt. 25c.

**Salmon Queen.** Single salmon.

**Snowdrift.** Double pure white.

**Splendens.** Large deep red with white eye.

**Single or Double Mixed.** Pkt. 10c.

**CHINENSIS (CHINESE PINK) VARIETIES** (flowers smaller, in clusters like Sweet William):

**Double Mixed.** Pkt. 10c.

**DIANTHUS, Perennial Pinks. Per.** dy-an'-thus. Sun.

Pink, rose, red, white; fragrant. Sow February to May. Germination period 1 to 2 weeks.

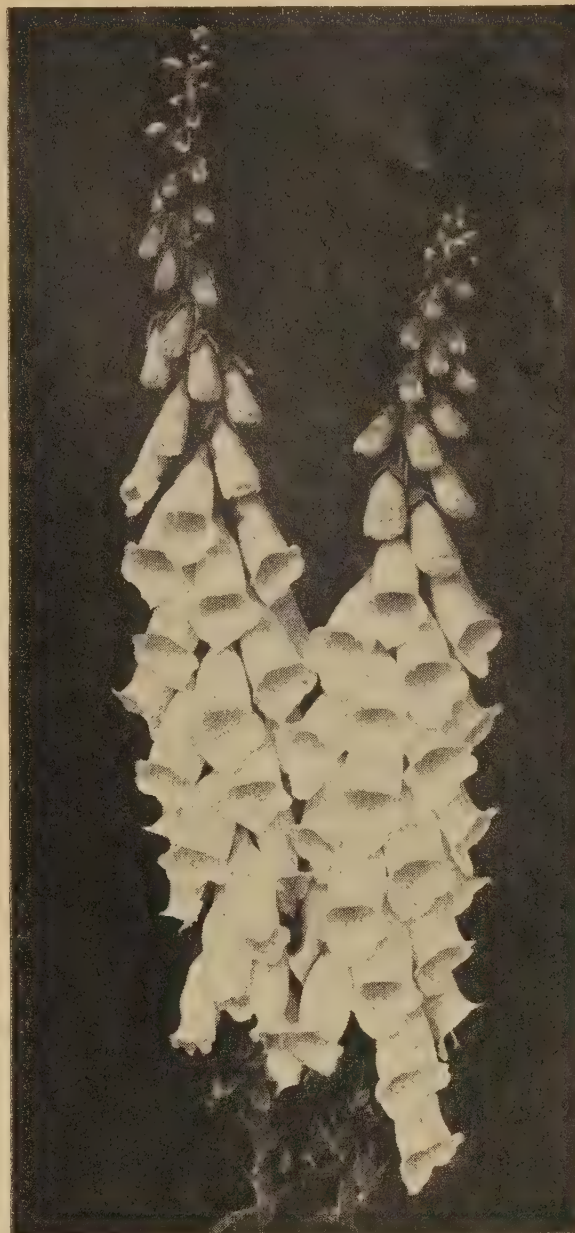
**PLUMARIUS (CLOVE PINK) VARIETIES.** 1½ feet:

**Cyclops Mixed.** Large-eyed single flowers in rich colors—the best ever-blooming Pink.

**Semperflorens Double Mixed.** Pkt. 10c.



DELPHINIUM, PACIFIC GIANTS



DIGITALIS, SHIRLEY HYBRIDS

**DIANTHUS, Rock-Garden Species. Full sun.**

**DIANTHUS, ROCK-GARDEN SPECIES.** Full sun.

**Allwoodii Alpinus.** New; 4 to 6 inches; mixed colors. Pkt. 50c.

**Caesius, Cheddar Pink.** Pink with tufty 3-inch foliage and 6-inch stems. Pkt. 10c.

**Deltoides, Maiden Pink.** Rose; 8 inches. Pkt. 15c.

**Knappi.** Clusters of clear golden yellow flowers. Pkt. 25c.

**Loveliness.** Large mauve flowers with lacinated petals and delicious fragrance. Pkt. 25c.

**Winteri.** Striking new pinks in pure colors, compact habit, very fragrant large flowers. Pkt. 25c.

**Rock-Garden Rare Species Mixed.** Including 25 kinds. Pkt. 25c.

**DIDISCUS coeruleus, Blue Lace Flower.** dy-dis'-cus. Sun.

Soft blue, tiny tubular flowers forming lacy heads on long stems for bouquets; 2½ feet. Sow February to May. Germination period 2 weeks. Pkt. 10c.

**DIGITALIS, Foxglove. Bien. and Per.** di-ji-tal'-is. Shade.

Pink, purple, white, large open-tubed flowers in tall, erect spikes; 4 feet. Sow by April for certain flowers the following Spring. Germination period 10 to 15 days.

**Giant Shirley Hybrids Mixed.** Biennial. Pkt. 10c.

**Lutzi.** Salmon shades. Perennial. 4 feet. Pkt. 25c.

**DIMORPHOTHECA, African Daisy.** dy-mor-foth'-eka. Sun.

Orange, yellow, salmon and white, large daisy flowers, unusually brilliant for bedding in all seasons; 1 foot. Sow any time. Germination period 10 to 20 days.

**Aurantiaca: Orange.** Yellow.

**Glistening White.** Pkt. 15c.

**Single Hybrids Mixed.** Pkt. 10c.

**Double Hybrids Mixed.** Pkt. 15c.

**DIMORPHOTHECA. Per.** Sun.

**Ecklonis.** White, blue center, with mauve reverse, flowers 3 inches across; blooms through Winter until Summer. Sow any time; 2 feet. Germination period 2 to 3 weeks.

DOLLAR PLANT. See Lunaria.



**DUSTY MILLER, *Centaurea* sy. Per.** Sun or partial shade.**Candidissima.** Thick silvery-white foliage; 10 inches.**Gymnocarpa.** Grey foliage; 20 inches. Sow January to May. Germination period 2 to 4 weeks. Pkt. 10c.ENGLISH DAISY. See *Bellis*.**ESCHSCHOLTZIA, California Poppy.** esholt'-zi-a.

Orange, crimson, rose, yellow, and white, showy, glossy-petalled flowers for bedding, ground cover on vacant lots, and bouquets (cut the flowers early, before they open); 1 foot. Sow August to March. Germination period 10 days.

**Aurantiaca.** Orange (true native poppy). Lb. \$5.00; ¼ lb. \$1.35; oz. 50c; ½ oz. 30c.**Ballet Girl.** Carmine outside, cream inside.**Bridesmaid.** Cream-pink.**Cherry Ripe.** Semi-double cherry red.**Golden West.** Yellow with orange center.**Lovely.** Salmon rose.**Purple Glow.****Scarlet Beauty.** Best bright red, single.**White.**

Separate Colors above 15c.

**Hybrida Mixed.** All new and unusual shades. Pkt. 15c.**Monarch Art Shades.** Lovely, semi-double mixture. Pkt. 25c.**Sweetheart.** New shade, rich salmon-rose on cream, fully double; plants dwarf and compact. Pkt. 15c.**EUPHORBIA heterophylla, Annual Poinsettia.** you-for'-bi-a. Sun.

Showy orange-red bracts (as in the Perennial Poinsettia) make this an interesting Summer and Fall bedding annual; 3 feet. Sow March to June. Germination period 10 days. Pkt. 10c.

**EUPHORBIA Variegata. Snow on the Mountain.** Sun.

Ornamental foliage annual, with distinct white and green leaves, for beds or mixed bouquets. Sow March to June. Germination period 2 to 3 weeks. Pkt. 10c.

FEVERFEW. See *Matricaria capensis*.FLAG OF SPAIN VINE. See *Mina lobata*.FORGET-ME-NOT. See *Myosotis*.**FOUR O'CLOCK, *Mirabilis*; Marvel of Peru.** Per. Sun.

Red, pink, white, yellow flowers opening in afternoon, on bushy plants; may be grown as annual. Sow October to April. Germination period 2 weeks.

**Dwarf Mixed.** 1 foot.**Tall Mixed.** 2½ feet. Pkt. 15c.FOXGLOVE. See *Digitalis*.**FUCHSIA.** Per. Shade.

Intriguing pendant flowers in shades of white through lavender, pink, rose, red and purple; in constant bloom from May to cold weather. Many interesting forms may result from sowing seed. Seed very fine. Sow in pots March or April. Germination slow.

**Double and Single Mixed.** Pkt. 50c.

## Gaillardia

**GAILLARDIA grandiflora.** Per. gay-lar'-di-a. Sun.

Red and yellow, very large daisies, blooming all Summer and Fall; 3 feet. Sow September to April.

**Burgundy.** Deep all red.**Dazzler.** Yellow with maroon center.**Goblin.** Dwarf; 1 foot; yellow, red border.**Portola Hybrids.** Semi-double orange-and-red.**Tangerine.** Unusual new shade; copper-orange. Pkt. 15c.

FUCHSIA



GERANIUM ZONALE

**GAILLARDIA, Annual Basket Flower.** Sun.

Annual Gaillardia gives you at least six months of bloom. Red, yellow and red-and-yellow large, profuse-blooming daisies; 2 foot. Sow January to April. Germination period 2 to 3 weeks.

**Indian Chief.** Bronzy-red.**Picta.** Single Mixed.**Lorenziana, Double Mixed.** Lovely. Pkt. 15c.**GAZANIA splendens hybrida grandiflora.** Per. Sun.**African Border Daisy.** ga-zay'-ni-a.Bronze, red, orange, yellow, cream, and white, showy, long-stemmed daisy-flowers with brown or yellow spots about the centers, on low-foliaged edging or bedding plants. Sow September to March for bloom first Summer. **New Hybrids Mixed.** Pkt. 15c.**GERANIUM zonale.** Sun.Brilliant orange, red, salmon, pink and white single flowers in large heads on somewhat tender plant for bedding and pots. Sow April to July. Germination period 30 to 40 days. **Large-flowered Mixed.** Pkt. 50c.**FOR 20% TO 30%  
BIGGER CROPS!**

A multi-hormone bloom-set that develops a larger, firmer, better-tasting fruit in from 1 to 4 weeks less time. Tomato blooms, if sprayed with FIX before natural pollination, will produce seedless fruit. Effective on apples, cucumbers, other vegetables.

<b>20 TABLETS 25c</b>	<b>MAKES</b>
<b>100 TABLETS \$1</b>	<b>20 QUARTS</b>
	<b>MAKES</b>
	<b>100 QUARTS</b>





GERBERA, TRANSVAAL DAISY

**GERBERA jamesoni, Transvaal Daisy.** Per. ger-ber-a. Sun. Almost every conceivable shade except blue and purple is found in these long-stemmed, large-flowered African Daisies for beds and bouquets requiring warm, well-drained soil; 2 feet. Sow any time. Keep crown above soil surface. Germination period 2 weeks. **New Giant Mixture.** Pkt. 50c.

**GEUM.** Per. jee'-um. Scarlet, yellow, and orange, semi-double rose-like flowers, on long stems in Spring and Summer, for beds and bouquets; 2 feet. Sow July to September. Germination period 3 weeks. **Mrs. Bradshaw.** Scarlet-red. **Lady Stratheden.** Bright yellow. Pkt. 15c. **Prince of Orange.** Semi-double orange. Pkt. 15c.

**GILIA.** gil'-i-a. Natives, easily and quickly grown. Sow November to May. Germination period 10 days. **Capitata** (Thimble Flower, 2 feet), with lavender-blue flowers in globular heads on long stems. Oz. 60c; Pkt. 10c. **Tricolor** (Bird's Eyes, 1 foot), with lilac flowers spotted yellow and purple in center. Oz. 55c; Pkt. 10c. **Micrantha** (Fairy Stars), with tiny flowers on neat 6-inch plants for ground cover, rockery, or cut, for miniature bouquets, in a mixture of salmon, pink, copper, yellow and cream. ¼ oz. 35c; Pkt. 10c.

**GLOBE AMARANTH, Gomphrena.** Sun. Purplish-red, pink, white, and orange clover-like everlasting flowers; make showy beds; 1 foot. Sow February to May. Germination period 2 weeks. **Purple; Orange; Mixed.** Pkt. 10c.

**GODETIA.** go-dee'-she-a. Pink, rose, red and white, large satiny flowers for showy beds in sun or partial shade, and bouquets (all the buds open in water). Sow November to May. Germination period 2 weeks. **HALF-DWARF.** 1½ feet; flowers in clusters: **Duke of York.** Rich scarlet, edged white. **Kelvedon Glory.** Salmon-apricot. **Sybil Sherwood.** Soft salmon-pink. We offer both single—Pkt. 10c—and double—Pkt. 15c. **White Swan.** Large, pure white. **Double Azalea-flowered Mixed.** ½ oz. \$1.00; ¼ oz. 35c; Pkt. 10c. **TALL.** 2½ feet; double flowers in spikes: **Carmine Improved.** **Rosy Morn.** Bright pink. **Campbell's Exquisite Mixture.** ½ oz. 80c; Pkt. 10c.

**GYPSOPHILA elegans, Baby's Breath.** jip-sof'-ill-a. Sun. White, pink, or red, dainty flowers in airy clusters for mixing in bouquets; 2 feet. Sow any time. Germination period 10 to 14 days. **Grandiflora Alba,** white; **Pink; Crimson.** Pkt. 15c.

**GYPSOPHILA paniculata.** Per. Sun. Double, tinier flowers than the annual, ideal for bouquets and mixing, all Summer and Fall, on large, bushy plants; 3 feet. Sow October to May. Germination period 2 weeks. **Double Snow White; Pacifica.** Pale pink, blooms earlier. Pkt. 25c.

**HELIANTHUS, Sunflower.** hee-li-an'-thus. Sun. Yellow, orange, bronze-red, large daisy flowers, showy for backgrounds. Sow December to April. Germination period 10 to 14 days. **Russian.** (10 feet), gigantic single, with edible seeds. Oz. 25c; Pkt. 10c. **Maroon Prince.** Large red; 4 feet. Pkt. 10c. **Miniature.** (5 feet); small red and brown. Oz. 75c; Pkt. 10c. **Sun Gold.** New; improved Chrysanthemum-flowered; 4 feet; large, fully-double golden flowers. ¼ oz. 25c; Pkt. 10c.

**HELICHRYSUM, Strawflower.** hell-i-cry'-sum. Sun. Yellows, pinks, red and whites; large, very double ever-lasting, showy in beds and backgrounds; 3 feet. Sow October to May. Germination period 2 weeks. **All Colors Mixed.** Pkt. 10c.

#### OTHER EVERLASTING FLOWERS

Sow in Spring		Sow in Fall	
Physalis	Lunaria	Acroclinium	Grasses
Gomphrena	Statice	Catananche	
Gypsophila paniculata		Helichrysum	

**HELIOTROPE.** Per. Sun or shade. Blue and purple shades, in fragrant clusters, easily grown; 2 to 6 feet. Sow February to May for bloom first year. Germination period 3 weeks. **King of the Blacks.** Deep purple. **Mammoth Mixed.** Pkt. 15c.

HERBS. See page 34.

**HEUCHERA, Coral Bells.** Per. hew-ker-a. Sun or part shade. Pink, rose, and red, tiny bell-like flowers in clusters, with attractive low foliage, for rockeries and borders in sun or partial shade; 1½ to 2 feet. Sow July to March. **Sanguinea,** coral red. **Hybrids,** shades from pink to crimson. Large Pkts. 35c; Small Pkts. 15c.

HONESTY. See Lunaria.

**HIBISCUS, Mallow Marvels.** Per. hy-bis'-kus. Sun. Pink, red, white, large flowers, 6 inches across; the true herbaceous Hibiscus, quite hardy anywhere; 4 feet. Sow February to May for bloom first season. Germination period 2 to 4 weeks. **Mixed.** Pkt. 25c.

## Hollyhocks

**HOLLYHOCK.** Per. Sun. Pink, salmon, red, and yellow shades, in stately spikes ideal for backgrounds; 5 to 6 feet. Sow February to August. Germination period 3 weeks. **Chater's Double, Newport Pink, Rose, Salmon, Crimson, Chamois, Scarlet, Yellow, White, Mixed.** Pkt. 15c; 3 for 35c. **Triumph Double Mixed.** Pkt. 15c. **Single Mixed.** Pkt. 10c.

#### ANNUAL HOLLYHOCK

**Indian Spring.** Rose-pink shades; semi-double. Blooms in 6 months, so may be grown as an annual. Pkt. 15c.



HELICHRYSUM, STRAW FLOWER





HOLLYHOCK, CHATER'S DOUBLE

**HUNNEMANNIA fumariaefolia, Mexican Tulip Poppy. Per.**

hun-nee-man'-i-a. Sun.

Bright yellow, cup-shaped flowers; 3 inches across on long stems, keeping well when cut; 2 feet. Sow November to April. Germination period 2 weeks.

**Sunlite.** Improved type. Pkt. 15c.

HYACINTH BEAN. See Dolichos.

**IBERIS gibraltarica, Perennial Candytuft. Per. Sun.**Lilac, turning white, small flowers in clusters on spreading, sunny rockery; perennial in Spring; 8 inches. Sow January to May.  $\frac{1}{8}$  oz. 25c; Pkt. 10c.**IMPATIENS. Per. Shade.****New Hybrids.** Attractive Summer flowers, white through pink, rose, and salmon to flame-red. Pkt. 50c.

IPOMOEA. See Morning Glories.

**IXIOLIRION Ledebourii, Siberian Blue Bells. Per. Sun.**

Deep blue tubular bells on 12 to 15-inch stems. Plant in the sun in August or September for bloom in May. Excellent for cutting. Pkt. 25c.

JOB'S TEARS. See Coix Lachrymae.

JOHNNY-JUMP-UP. See under Viola.

KALE, Ornamental. See Cabbage, Flowering.

**KOCHIA childsii, Summer Cypress. Koh'-ki-a. Sun.**

Bright green feathery foliage, forming compact bushes quickly, that turn fiery red in Fall; 2 to 4 feet. Sow January to June. Germination period 10 days. Pkt. 10c.



LARKSPUR, GIANT IMPERIAL

**LANTANA. Per. Sun.**

Red, pink, lavender, orange, and yellow flowers in verberna-like clusters; bloom the first year from seed and form shrubs. Sow January to May.

**Dwarf Hybrids.** 1 to 2 feet.

Tall. 3 to 5 feet. Pkt. 25c.

**Larkspur****LARKSPUR, Annual Delphinium. Sun or partial shade.**

Pink, red, blue, lilac, and white; ideal bedding and cutting flowers; 3 to 5 feet. Sow September to March. Germination period 4 to 8 weeks.

**Cultural Note:** Larkspurs are cool weather plants and are best sown in the Fall, where they are to remain. In cold climates, November sowing is ideal, since a Winter chilling aids good germination in early Spring.**GIANT IMPERIAL.** Tall upright type, branching at the base to yield long stems for cutting:**Blue Bell.** Clear azure blue.**Blue Spire.** Rich deep blue.**Carmin King.** Rose-red.**Coral King.** New deep coral-pink.**Pink Perfection (New).** Best pure pink. 15c.**Miss California.** Salmon-pink.**Lilac Spire.** Deep lavender.**White King.** New erect pure white.**Giant Imperial Mixed.** Oz. \$1.80;  $\frac{1}{4}$  oz. 50c; Pkt. 10c (5 for 40c). All separate colors and mixed.**Mixed.** Oz. \$1.80;  $\frac{1}{4}$  oz. 50c; Pkt. 10c.**SUPER MAJESTIC (Newest type).** Usually reaches a height of 5 feet; large blooms on long branches.**Rose-Pink, Lavender, White, Mixed.** Pkt. 15c.**LAVATERA assurgentiflora, California Windbreak. Per. Sun.**

Rose-pink flowers on fast-growing shrub-like perennial; evergreen in mild climates; kills out in severe; 10 feet. Sow March to July. Germination period 3 to 5 weeks. Pkt. 10c.

**LAVATERA splendens, Annual Mallow. la-va-tee'-ra. Sun.**Rose-pink, large flowers on bushy plant for show and cut; 2½ feet. Sow November to March. Germination period 2 to 5 weeks. **Rosea**, best rose. Pkt. 10c.**LAVENDER, Lavandula vera. Per. La-van'-dew-la. Sun.**

Small lavender flowers, delightfully fragrant; a favorite for drying; 2 feet. Sow October to March. Germination period 30 days.

**Munstead Strain.** Dwarf (1 foot); deep lavender. Pkt. 15c.**True English.** 2 feet. Pkt. 10c.**LAYIA elegans, Tidy Tips. lay'-i-a. Sun.**

Yellow daisy, petals edged with creamy-white, for quick Spring show and cutting; one of the finest California natives; 1½ feet. Sow October to April. Pkt. 10c.

**LEMON VERBENA, Aloysia citriodora. Per. Sun or part shade**

Fragrant-leaved hardy shrub; 6 to 10 feet. Sow February to May. Pkt. 15c.

LEPTOSIPHON. See Gilia micrantha and liniflora.

**LEPTOSYNE maritima, Sea Dahlia. Per. Sun.**

Yellow flowers fine for cutting; native perennial blooming in 90 days; 2 feet. Sow September to April. Germination period 2 weeks. Pkt. 10c.

**LEPTOSYNE stillmanni, Wild Coreopsis. Sun.**

Yellow daisy-flowers for cutting six weeks after sowing; California wildflower; 1½ feet. Sow October to April. Germination period 10 days.

**Single.** Pkt. 15c.**Double, Golden Rosette.** Large yellow. Pkt. 15c.

**TOTAL WEED**  
**Destruction!**

**Liquid or Tablets**

\$ 1.00 Treats.....	530 sq. feet
2.75 Treats.....	2,500 sq. feet
10.00 Treats.....	8,300 sq. feet
30.00 Treats.....	41,500 sq. feet

SPRAY THE LEAVES

KILL THE ROOTS

Kills the *roots* of even the worst weed pests, Poison Ivy, Poison Oak, Bindweed, Jap Honeysuckle, Canada Thistle, etc. Weedicide won't sterilize or damage soil.

*Thompson's* DEE-CEE-PEE

**WEEDICIDE**

2, 4 - dichlorophenoxyacetic acid





AURATUM LILY

## Lilies from Seed

Growing lily bulbs from seed is becoming a popular hobby with amateur gardeners. Really fine bulbs can be raised from seed with a little patience and care. Seeds should be sown in flats of soil prepared by mixing good garden loam with equal parts of sand and leaf mold or peat, covering with  $\frac{1}{4}$ -inch of sifted mixture. Press firmly and soak the flat in water, after which it is placed in a shady place to await germination. Seed may be sown at any time. The little plants first make root growth and bulbs before showing any impressive top growth. They should be transplanted the second year into larger flats of prepared soil with a little bone meal or to specially prepared beds outdoors. The following year they should be large enough to go into the garden. Species germinating readily are marked with an asterisk (\*) before the name.

### LILIES, True *Lilium* Species. Per. lil'-i-um.

Part shade or sun if root area is cool and moist.

**Auratum var. platyphyllum.** Gold-banded Lily. Outspread white petals, each striped with a yellow band and spotted with crimson; fragrant; 4 to 7 feet. Blooms August-September. Pkt. 25c.

**Bellingham Hybrids.** Most desirable for garden color and cutting; recurve flowers, yellow to scarlet, spotted brown; height 4 to 6 feet. Plant the seed in August for bloom in the Summer. Pkt. 25c.

**Candidum, Madonna Lily.** Probably the most popular of all Lilies. 8 to 10 lovely white blooms grow in a stately spire on a strong, straight stem 4 to 6 feet tall. Plant March or April outdoors, February under glass. Germination period 3 to 6 weeks. Flower in June. Pkt. 25c.

**\*Formosanum, Fall Regal Lily.** White trumpets shaded externally with violet; fragrant; 4-6 feet. Bloom September-October (first season if sown early). Pkt. 25c.

**\*Henryi, "Orange Speciosum."** Recurved golden yellow petals, spotted brown; one of the hardiest and best for cutting; 5-8 feet. Bloom August-September. Pkt. 25c.

### GROW YOUR OWN EASTER LILIES

**\*Longiflorum Praeox White Queen, Easter Lily.** Since the war Easter Lilies have been scarce. This variety is relatively easy to grow and preferable to the bulbs now on the market. Has large, long, pure white trumpets; an improved form, taller than the type, and fine for cutting and garden shows, as well as Easter forcing; 2 feet. Blooms in one year from time of seed sowing. Pkt. 35c.

**\*Regale, Regal Lily.** The most popular lily in America, with large golden-throated white open trumpets tinted pink externally; very fragrant; easily forced in pots or grown outdoors; 4 feet. Bloom June-July. Pkt. 25c.

**Shuksan.** The best of the late Dr. David Griffith's hybrids; recurved rich orange, dotted black petals; vigorous and handsome, with many flowers in bloom at once; 4-5 feet. Bloom July. Pkt. 25c.

**\*Tenuifolium, Siberian Coral Lily.** The most popular dwarf lily for the garden and rockery; 10 to 20 dainty bright scarlet, nodding reflexed flowers to a spike; 18 inches. May-June. Pkt. 15c.

**\*Tenuifolium Golden Gleam.** Lovely new bright yellow form of the above. Pkt. 25c.

**Washingtonianum, Mt. Hood Lily.** Tubular white flowers, spotted purple in the throat, fragrant; 3-6 feet. Bloom June-July. Pkt. 25c.

**\*Willmottiae.** Recurved orange-red petals; grass-like foliage; one of the hardiest and most dependable species; 4-5 feet. Bloom July. Pkt. 25c.

### LIMNANTHES douglasi. Meadow Foam. Partial shade.

White-and-yellow, fragrant flowers, effective in beds or edgings, in moist partial shade; native; 6 inches. Sow November to April. Pkt. 10c.

### LINARIA, Toad Flax, Baby Snapdragon. ly-nay'-ri-a. Sun.

Lavender, purple, pink, chamois, yellow, red, etc., miniature snapdragon-flowers, unusually fine for beds, ground covers, or mixed bouquets, in Winter and Spring. Sow September to February.

#### Annual

**MAROCCANA HYBRIDS.** 15 inches:

**Hybrid Mixture.** Oz. \$1.75;  $\frac{1}{4}$  oz. 50c; Pkt. 10c.

**DWARF COMPACT TYPE.** 8 inches:

**Fairy Bouquet.** New, bushy type, with large flowers in pastel shade.  $\frac{1}{2}$  oz. \$1.60;  $\frac{1}{8}$  oz. 50c; Pkt. 10c.

**Fairy Bridesmaid.** New lemon yellow. Pkt. 15c.

### LINUM. Per. ly'-um. Sun.

Sky-blue or yellow flowers, profusely produced in Spring and Summer; blooms in 4 months;  $2\frac{1}{2}$  feet. Sow January to May. Germination period 3 to 4 weeks.

**Flavum.** Showy clear yellow.

**Perenne.** Light blue.

**Narbonense.** Deep azure blue, compact. Pkts. 15c.

### LINUM grandiflorum rubrum, Scarlet Flax. Sun.

Bright scarlet flowers, on slender graceful plant, in all seasons; particularly useful in Winter;  $1\frac{1}{2}$  to  $2\frac{1}{2}$  feet. Sow any month. Germination period two weeks. Oz. \$1.00; Pkt. 10c.

### LOBELIA erinus compacta. lo-beel'-ia.

Blue bedding and edging plants; 4 inches. Sow January to May. Germination period 10 to 15 days.

**Cambridge Blue.** Fine light blue.

**Crystal Palace.** Dark blue, bronzy foliage.

**Emperor William.** Bright-blue, green foliage.

**Trailing Sapphire.** Pkt. 15c.

### LOBELIA cardinalis, Cardinal Flower. Per. Sun or shade.

Fiery scarlet flowers in erect spikes with bronzy-green foliage; 2 feet. Sow January to March. Pkt. 15c.

### LUNARIA, Honesty, Money Plant. loon-ar'-ia. Sun.

Round, flat, silvery transparent seed-pods, to dry for Winter decoration; 2 feet. Sow October to May. Germination period 2 to 3 weeks. Pkt. 10c.

### LUPINUS, Lupine. lu-pin-us. Sun.

Blue, pink, and white pea-flowers in clusters, for beds and bouquets; native. Sow December to April. Germination period 10 days.

**DWARF VARIETIES.** 1 foot:

**Nanus.** California native, deep blue. For rock garden.

**Texensis** (Texas Blue Bonnet). Clear blue. Oz. 50c; Pkt. 10c.

**TALL VARIETIES.** 3 feet:

**Hartwegii Giant King** type. Large flowers and spikes in shades of blue and white. **Deep Blue. Mixed.** Oz. \$1.00; Pkt. 15c.

**Russell Lupins.** Long, closely furnished spikes flower in a great variety of rich colors—deep yellows, oranges, reds, and brilliant bi-colors never seen in Lupins before. The florets are large, with flat fan-like back-standards, and unlike all other Lupins, most of the spikes retain their florets throughout the whole period of development. Awarded the Royal Horticultural Society's Gold Medal. June, 1937. Pkt. 25c.



LINARIA HYBRIDS





AFRICAN MARIGOLD

MALLOW MARVELS. See Hibiscus.

MARGUERITE, Annual. See Chrysanthemum Nivelli.

**MATRICARIA, Feverfew.** Per. mat-ri-cay'-ri-a. Sun.

White or yellow, double flowers in clusters for beds, borders, or cutting, all Summer and Fall. Sow December to April. Germination period 10 to 15 days.

**CAPENSIS** (Feverfew). Semi-double white; 2 feet.

**EXIMIA.** Fully double type; 1 foot.

**Golden Ball.** Golden yellow.

**Snowball.** Pure white. Pkt. 10c.

**MATTHIOLA bicornis, Evening-scented Stock.** ma-thy'-o-la.

Sun.

Mauve, small, single flowers, valued for their evening fragrance; 2 feet. Sow January to July. Try them broadcast in a sunny corner near your outdoor living room. Pkt. 10c.

MEXICAN POPPY. See Hunnemannia.

MEXICAN ZINNIA. See Zinnia Haageana.

**MIGNONETTE, Reseda odorata.** re-zee'-da. Sun.

Deliciously fragrant small flowers in spikes; 1 foot. Sow any month. Germination period 2 weeks.

**Goliath Red.** Large red spikes. Pkt. 10c.

**Sweet Mignonette.** The old-fashioned favorite. Pkt. 10c.

**MIMULUS.** mim'-you-lus. Partial shade, sun.

**Tigrinus, Monkey Flower.** White, yellow, orange, copper and red, showy spotted flowers for partial shade; 10 inches. Sow March to June. Germination period 5 to 10 days. **Queen's Prize Mixed.** Pkt. 15c.

**MARIGOLD, Tagetes.** ta-gee'-teez. Sun.

Orange, yellow, brown, striped, spotted; splendid for Summer and Fall bedding and cutting. Sow January to July. Germination period 5 to 10 days.

**Cultural Note:** The African Marigolds are heavy feeders, and thrive in rich soil, well-watered. The French Marigolds are, however, very light feeders, and bloom best kept on the dry side, in unfertilized soils.

**AFRICAN.** Tall double fistulosa; 2½ feet:

**Orange Prince All-Double.**

**Lemon Queen All-double.**

**All-Double Mixed.** Above 2 varieties. Pkt. 10c.

**CARNATION TYPE:**

**Guinea-Gold.** Loose-petalled orange.

**Yellow Supreme.** Loose-petalled yellow.

**Gigantea, Sunset Giants.** New giant-flowered type.

**Orange Sunset.** Deep orange. **Mixed.**

**Burpee Gold.** Improved odorless-foliaged Marigold, bright orange similar to Guinea-Gold. All above, Pkt., 10c.

**CHRYSANTHEMUM-FLOWERED.** New type, with compact head of small incurved petals:

**Early Sunshine.** Bright lemon-yellow.

**Golden Bedder.** Early, dwarf, yellow.

**Hybrids Mixed.** All shades of orange and yellow. Pkt. 10c.

**Goldsmith.** Soft golden-orange.

**Yellowstone.** A clear rich yellow counterpart of Goldsmith, 3 to 5 feet tall, with 2½-inch flowers. All America '42. Pkt. 15c.

**FRENCH.** Tall sorts, 3 feet:

**Tall Double Harmony Hybrids.** Mixed.

**Double Mixed.** All colors.

**FRENCH.** Dwarf sorts, 10 inches or less:

**Butterball.** All America Winner. Soft butter yellow, lightly tipped with maroon on the center petals. The 6 to 8-inch mound-like plants are literally covered with 2-inch blooms of unusual yellow. Very early flowering. Butterball produces a blanket of color for many weeks.

**Harmony.** Deep orange with maroon collar of broad petals; very even habit.

**Harmony Hybrids.** Showy combinations of gold, yellow, and maroon.

**Scarlet Glow.** Brightest red of all Dwarf-Double Marigolds.

**Spotlight.** New red, yellow center.

**Sunkist.** Rich orange companion to Marigold Butterball, delightful for borders or pots. Its 6-8 inch plants are early and free blooming.

**Yellow Pygmy.** New soft lemon-yellow, very dwarf and compact; splendid Summer edging.

**Monarch Strain.** Large rich-colored mixture. Pkt. 10c.

**Spry.** Extra dwarf French type; outer petals maroon, surrounding center of crested light orange petals. Pkt. 10c.

**Tagetes signata pumila.** Bright yellow, tiny single flowers in great profusion on compact bushes for edgings; 8 inches. All French Marigolds, Pkts. 10c.

## Cymbidium Orchids

These are spectacular, large flowered, spray Orchids which are easily grown in pots or shaded beds in Southern California gardens, or as hot house plants elsewhere. They make clumps of grassy foliage 2 to 4 feet high, and in Winter and Spring carry great sprays, from 1 to 3 feet long, of most beautiful Orchids in tones of pink, lavender, yellow, white, bronze, chartreuse and delicate green. The colors of hybrids are variable, and even in the same variety, as listed below, there will be a rather wide range of color. We cannot guarantee a specific shade, but they will all be beautiful.

We offer the very finest hybrids, true collectors items, including the rare and beautiful crosses of:

Alexander Westenbirt F.C.C.

Pauwelsi-Comte de Hemptine F.C.C.

Ceres-F.C. Hanbury F.C.C.

Plants are available in various sizes and prices. Growing back bulbs of the choicer crosses beginning at \$15.00.

The following Standard Cymbidium Hybrids, of the best quality, are strong growers and reliable bloomers. We can supply plants of varying sizes and prices. Back Bulbs with sturdy vegetative growth are priced at \$5.00.

**BEATRICE.** Shimmering pale yellow-green English hybrid. Blooms mid-season to late.

**BUTTERFLY.** Usually comes in shades of yellows or bronze, occasionally a pink tone appears. (Insigne x Lowio-grandiflorum.) Mid-season to late.

**CANARY.** Varies from clear yellow to buff, with a striking red lip. (Pauwelsi x Butterfly.) Mid-season.

**CAPELLA.** Cream to rose pink, large with many flowers to the spray. (Pauwelsi x Wiganianum.) Mid-season.

**HUGH EVANS.** Usually greenish gold with bright red lip. Very free flowering and lovely. (Lowianum x Curlew.) Mid-season to late.

**MADLINE.** Quite variable in color, from yellow to lavender pink. (Insigne x Pauwelsi.) Mid-season.

**PAUWELSI.** Light creamy yellow to rich bronze. A very strong grower with exceptionally long bloom spikes. Mid-season.



FRENCH MARIGOLD





**CYMBIDIUM ORCHID, PAUWELSI**

**PETREL.** Gleaming golden yellow. (Garnet x Pauwelsi.) Late.  
**SCHLEGELI.** Usually in pink tones. (Insigne x Wiganianum.) Early.

**OSMUNDINE FIBRE.** For planting Cattleya orchids. Pack carefully and tightly around the roots. No soil required Per lb., \$1.00. Postpaid.

**NASTURTIUM, Tropaeolum.** tro-pee'-o-lum. Sun, part shade. Bright flowers, very easily grown; the dwarf sorts for edgings in sun or partial shade, the tall covering low fences, or trailing as a ground cover, and both furnishing bouquets. Sow any time. Germination period 10 to 14 days.

**DOUBLE-FLOWERING GLEAM HYBRIDS.** Spreading type: **Golden.** Large, fragrant golden yellow flowers in profusion. **Mahogany; Moon,** soft creamy yellow; **Orange; Salmon; Scarlet.**

**Gleam Hybrids.** Cream yellow, orange, scarlet, crimson, yellow spotted red, etc. **Mixed.**

All above, oz. 50c; ½ oz. 30c; Pkt. 15c.

**DOUBLE DWARFS.** Gem Type; 10 inches:

**Golden Globe.** New double, rich yellow dwarf.

**Scarlet Gem.** Vivid red, green leaves.

**Gem Mixture.** All colors. Oz. 35c; Pkt. 10c.

**SINGLES:**

**Dwarf. Mixed.** All colors; 10 inches. Oz. 45c; Pkt. 10c.

**Tall or Trailing, California Giants Mixed.** Oz. 45c; ½ oz. 25c; Pkt. 10c.

**NEMESIA.** ne-mee'-she-a. Sun.

Orange, yellow, rose, scarlet flowers in clusters; for showy beds and borders in Winter and Spring. Sow October to April. Germination period 20 days.

**Strumosa grandiflora Suttoni.** Large flowered blue, orange, rose, scarlet, mixed. 1 foot. Pkt. 10c.

**Compacta Blue Gem.** Splendid forget-me-not-like bedder; 7 inches. Pkt. 10c.

**NICOTIANA affinis, Sweet-scented Tobacco Plant.**

Nik-ko-she-ain'-a. Sun, light shade.

Sun or partial shade.

White, pink, lavender, and crimson, large, open flowers with long tubes, very fragrant at night; easily grown, quick and continuous-flowering; 2 to 4 feet. Sow where to remain. October to June. Germination period 10 days.

**Waxy White; Crimson King; Pink Shades; Hybrids Mixed.** All colors. Pkt. 10c.

**NEMOPHILA insignis, Baby Blue Eyes.** nem-off'-i-la.

Sky-blue or white cups; California native; for beds and bulb-cover in sun or partial shade; 6 inches. Sow where to remain. October to May. Germination period 7 to 10 days.

**Clear Blue.** Oz. 80c; ½ oz. 45c; Pkt. 10c.

**NEPETA mussini.** Per. nep'-e-ta. Sun or shade.

Small blue flowers; grey foliage, ideal for rockeries and edgings; 1 foot. Sow January to April. Germination period 18 days. Pkt. 15c.

**NIEREMBERGIA hippomanica, Dwarf Cup Flower.** Per. Sun.

near-em-berj'-ia.

**Lavender-blue.** Open-cup flowers cover the compact, dwarf (5-inch) bushes all Spring and Summer. One of the best new flowers! Sow January to April for bloom first year. Pkt. 25c.

**Purple Robe.** Like the pale lavender N. hippomanica, in its compact growth, but its flowers are of deep violet, unfading in the sun. Purple Robe blooms in 15 weeks from sowing, prefers sandy soil and full sun, a splendid bedding and rock garden subject. Pkt. 25c.

**NIGELLA, Miss Jekyll, Love-in-a-Mist.** ny-jell'-a. Sun.

Semi-double, blue flowers, nestling in fine, feathery foliage; 1½ feet. Sow February to May. Germination period 2 weeks. Corn-flower blue. Pkt. 15c.

**OENOTHERA lamarckiana, Evening Primrose.** Bien.

ee-noth'-er-a. Sun.

Yellow, large flowers, opening at dusk and fragrant in the evening; easily-grown background plant in sun or semi-shade; 4 feet. Sow December to March. Germination period 30 days. Pkt. 10c.

**ORCHIDS.** See page 16.

**ORTHOCARPUS purpurascens, Owl's Clover.** Sun.

California native; pink blooms. Sow late Fall. Pkt. 10c.

**PAINTED DAISY.** See Chrysanthemum, Annual.

## Pansies

**PANSY.** Sun or part shade.

Reds, purples, blues, yellow, and white; unsurpassed for low beds and edgings; 6 inches. Sow July to October for Winter, and until March for Spring and Summer. Germination period 10 to 15 days.

**STEELE'S BUTTERFLY HYBRIDS.** This is a new type of Pansy developed from Steele's famous Mastodon Jumbo strain. The petals of the huge flowers are ruffled, swirled and marked in a fascinating manner. The Butterflies come in pastel combinations of lavender, pink, soft blues, cream, soft yellow, and golden tan. Pkt. 75c.

**Steele's Mastodon Jumbo Mixture.** A superb strain of American grown pansies; all giant flowered in the widest known color range. Very fine. 1/16 oz. \$2.00; Pkt. 50c.

**Super Maple Leaf Giants.** Large flowered strain composed of light colors only. 1/16 oz. \$1.50; Pkt. 50c.

**Engelmanns Giants.** Large flowers in all colors but blue and red, never solid, as each flower has a lighter tone around the edges of petals. 1/16 oz. \$2.25; Pkt. 50c.

**Roggli Swiss Giants (Originator's Seed).** Large flowers with long stems. Plants are compact and early flowering. Contains both light and dark shades. Mixed colors. 1/16 oz. \$2.00; Pkt. 50c.

**Alpenglow.** Rich red.

**Berna.** Rich purple.

**Jungfrau.** Pure white.

**Gold Gelbe.** Pure yellow.

**Hohenfuhr.** Orange-red.

**Lake of Thun.** Deep blue.

**Rheingold.** Immense yellow with a dark center. Above packets, each color, 50c.

**Blumlisalp.** Clarke's Special Selection. A new Swiss Pansy with the rosy tints of sunrise in the Alps, from palest pink to raspberry-rose. Plant with white, blue or pink bulbs or azaleas for a lovely Spring garden effect. Pkt. \$1.25; ½ Pkt. 75c.

**Geneva Giants.** Compact growing plants with large flowers in a good color range. First flowers are small but as the blooming season advances flowers increase in size. ¼ oz. \$1.50; Pkt. 25c.



**PANSY, ENGELMANN'S GIANT**





RUFFLED PETUNIA, MARILYN

**Campbell's Highland Giants.** Splendid bedding mixture, with fine colors and huge sized flowers. Pkt. 50c.

**Baby Delight.** Lovely little Pansy with flowers smaller than Violas, clear light blue with wavy petals. Dwarf, compact plants. Ideal for late Spring planting because plants withstand heat well. Flower in 70 days. Pkt. 25c.

#### PENSTEMON. Per. pen'-ste-mon. Sun.

Pink, scarlet, crimson, purple or white tubular flowers with flaring petals, in showy spikes. Plant in beds and borders. Sow August-November for bloom the same season. Germination 17 days.

**Heterophyllus Blue Gem.** Rich blue. 1 foot bedding variety.

**Sensation.** The large flowered type. Good colors, fine for cutting.

**Pink, Red, White or Mixed.** 1/16 oz. 50c; Pkt. 15c.

## Petunias

#### PETUNIA. Pe-too'-ni-a. Sun.

Pink, rose, red, lavender, blue purple, and white; unusually floriferous bedding plants, continuing in bloom from Spring to Winter. Sow January to July. Germination period 10 days

**Cultural Note:** Mix seed with fine sand and sprinkle over surface of ready-moistened, finely-screened light soil-mixture in seed pans or flats. Cover with glass or damp burlap until seed sprouts; watering unnecessary if soil was properly moistened, although watering from below allowable. Remove cover when first sprouts show.

#### DWARF COMPACT PETUNIAS

A group of petunias ranging in height from the miniatures of 6 inches to others no taller than 12 inches. All are compact, free flowering annuals suitable to edging annual beds and borders or in masses by themselves.

##### Miniature

**Nana compacta.** Dwarf, ball-like plants, covered with blooms for a long season.

**Rose Gem.** Deep rose.

**Violet Gem Improved.** Rich violet blue.

**White Gem.** Clear white. All Pkts. 10c.

**Nana compacta, Ruffled.** Flowers attractively ruffled.

**General Washington.** Velvety red, blackish throat.

**Martha Washington.** Blush pink deepening to dark violet at throat. Pkt. 25c.

**Mixed.** Special mixture of the above varieties. Pkt. 25c.

##### Dwarf Bedding

**Nana erecta.** Dwarf plants averaging 9 to 12 inches in height. Showy flowers.

**Celestial Rose.** Improved Rose of Heaven. Bright rose.

**Cream Star.** Warm cream, yellow throat. Pkt. 10c.

**Heavenly Blue.** Light silvery blue. Pkt. 10c.

**INNOCENCE.** A new white Petunia, as dwarf and compact as Snowball, with a fluffy, fringed flower like Lace Veil. Pkt. 25c.

**Rosy Morn.** Bright pink with white throat. Pkt. 10c.

**Salmon Supreme.** Rich salmon pink. Pkt. 25c.

**Snowball.** Pure white. Pkt. 10c.

**Violet Blue.** Rich blue purple. Pkt. 15c.

**Mixed.** Dwarf bedding varieties. Full color range. Pkt. 10c.

#### MEDIUM SPREADING PETUNIAS

Varieties in this group grow from one to two feet in height and have a tendency to spread out and develop masses of flowering stems. They are very showy when used in masses or as specimens placed among other plants. Long blooming season, keeping their freshness and vigor throughout the flowering period. Require little care and water.

##### Hybrida:

**General Dodds.** Velvety blood red. Pkt. 10c.

**Howards Star.** Deep purple with pure white star. Pkt. 10c.

**Mars.** Large, deepest velvety crimson. Pkt. 20c.

**Violacea.** Rich purple. Pkt. 10c.

**Choice Mixed.** Large single flowered. Pkt. 25c.

**Formula Mixture.** Blended to include every known color in Petunias. Pkt. 10c.

##### Hybrida Grandiflora. Pkts. 15c each.

**Burgundy.** Wine red.

**Elks' Pride.** Popular. Velvety; dark Elks' purple blooms.

**White Cloud.** Compact plants covered with pure white blooms.

**Hybrida Pendula, Balcony Petunias.** Popular spreading variety used extensively for masses of color in window boxes and in the front margins of borders, or in masses.

**Blue.** Dark blue purple.

**Cornflower Blue.** Light blue.

**White.**

**Rose.** Rose pink.

**Mixed.** Pkts. 15c each.

#### GIANT FLOWERED PETUNIAS

##### Ruffled and Double

All varieties listed below are exceptionally large flowered, with the distinction of having either beautiful ruffled or fringed petals or extremely double flowers. They are lovely when planted in pots or tubs as specimen plants.

##### RUFFLED PETUNIAS:

**Copper Red.** Ruffled coppery red with dark throat.

**Dainty Lady.** Fringed, palest yellow with deeper throat.

**Fluffy Ruffles Mixed.** Ruffled and fringed, delightful colors.

**GARDEN GIANTS.** Dwarf ruffled, with a wide variety of bright color combinations on plants which develop into well-rounded mounds 12 to 15 inches high.

**Glamour.** Ruffled, luscious salmon rose.

**Giants of California, Supreme Strain.** Very ruffled, choice formula mixture.

**Lace Veil.** Fluffy, fringed white.

**Marilyn.** Ruffled, rich salmon; veined throat.

**Theodosia.** Fringed, rosy pink, golden throat.

**Ramona.** Ruffled pink and rose shades.

**Ruffled Monster Mixed.** Huge, with darkly veined throats.

Pkt. 25c.

All above varieties: Pkts. 25c each; 5 for \$1.00.

##### DOUBLES:

**All Double America.** Soft pink, carnation-type flowers, charming in pots. Pkt. 50c.

**Colossal Shades of Rose.** Silver Medal A.A.S. '46. Large flowered double rose in waved, ruffled and fringed petaled types. Color shades range from a few light and salmon-pinks to deep pinks and purplish-rose. 18 inches. Pkt. 50c.

**Giant Double Fringed.** A choice mixture producing 95% perfectly formed giant flowers including Giant Double Ruffled and Giant Double Fringed forms in a magnificent color range. Very choice. Pkt. 50c.

**Mrs. Dwight D. Eisenhower.** Large, double salmon blooms, on bushy, dwarf plants. An All America winner. Pkt. \$1.00.

##### PHACELIA. fe-see'-li-a.

Blue shades; native. Sow November to April. Germination period 15 days.

**Blue Plate (Viscida).** 1 foot; with large brilliant blue flowers for bedding: 1/4 oz. 45c; Pkt. 10c.

**Campanularia (California Blue Bell).** 6 inches; gentian-blue bell-flowers for edging, flowering quickly. 1/4 oz. 35c; Pkt. 10c.

**Tanacetifolia (Wild Heliotrope).** 2 feet; mauve-blue cluster, good for bees. 1/8 oz. 25c; Pkt. 10c.

**Whitlavia (Wild Canterbury Bell).** 1 foot; dark blue bells in sun, or partly-shaded beds. 1/4 oz. 35c; Pkt. 10c.





**GERBERA, Transvaal Daisy**  
Striking, colorful new South African Hybrids. They are easily grown and need little water. Pkt. 50c.



**COSMOS, EARLY DOUBLE SENSATION**  
This interesting strain produces flowers both fluted and double crested, in shades of pink, rose, red and white. Pkt. 15c.



**FRINGED TUBEROUS BEGONIA**  
Vetterle and Reinelt's finest Fimbriata double strain. The flowers, in shades of rose, yellow, apricot, pink, red, flame, and white, are like huge fringed Carnations. Pkt. 50c.



**PASTEL ICELAND POPPIES**  
These delicately tinted Poppies, on long wiry stems, dance gaily in every breeze. They keep well as cut flowers. Pkt. 15c.





**GYPSY QUEEN FUCHSIA**

Our Mixed Hybrid varieties include the finest doubles and singles, charming for long Summer bloom in shady places. Pkt. 50c.



**PANSY, RHEINGOLD**

A life-size portrait of a Roggli's Giant Pansy. The seed, direct from Switzerland, is available in seven separate colors and an elite mixture. Pkts. 50c.



**COREOPSIS, MAYFIELD GIANT**

Ideal for colorful clumps of sunny bloom in perennial borders. Pkt. 10c.



**AQUILEGIA, Columbine**

Campbell's Hybrids are long-spurred in lovely shades of blue, deep red, orange and scarlet, white, rose-pink, and yellow. Delightful for naturalizing. All colors mixed. Pkt. 25c.



**SWEET WILLIAM**

A spicy, old-fashioned perennial for borders and Summer bouquets. Single Mixed, Pkt. 10c.





**TITHONIA, FIREBALL**

A fiery-scarlet Mexican Sunflower, which grows rapidly into a tall shrubby plant as a border background and for cut flowers. Pkt. 15c.



**ZINNIA, GOLDEN QUEEN**

A California Giant, for long, hot weather bloom. There are 10 other separate colors in this group. Pkts. 15c.



**GAILLARDIA LORENZIANA**

A gay mixture of double, annual Gaillardias which give you at least 6 months of bloom. Pkt. 15c.



**HYBRID CALIFORNIA POPPIES**

Rich shades of rose, salmon, cream, cherry red, burnt orange, purple. Broadcast them in vacant lots and sunny spots for glowing color in Winter and Spring. Pkt. 15c.





**A CAMELLIA HYBRID**

Interesting new varieties are grown from seed. 15 seeds, \$1.00.



**TRITOMA, Red Hot Poker**

Striking garden accents, which bloom the first season if sown in March. Pkt. 15c.



**CARNATION, ALL-SEASON BLEND**

A special mixture of the best garden varieties, from the earliest to the latest, to please our Carnation-loving patrons. A delightful color range. Pkt. 25c.



**ROSE, MRS. PIERRE S. DUPONT**

Best quality Rose bushes are available from January to March. We offer the finest of new patent varieties and the older dependable favorites. Each \$1.00 up.



## Phlox

### PHLOX *decussata grandiflora*. Per.

Pinks, reds, lavenders, purple and white; showy Summer border plant; seeds slow to germinate, taking from 6 weeks to 6 months; 3 feet. Sow October to March. **Mixed**. Pkt. 15c.

### PHLOX *drummondii grandiflora*.

Pinks, reds, lavenders, salmon, yellow, and white; easily-grown, Spring, Summer and Fall bedder. Sow January to July. Germination period 10 to 15 days.

#### ONE-FOOT VARIETIES:

**Brilliant Rose.**

**Dark Red.**

**Fiery Scarlet.**

**Flesh Pink.** Rose eye.

**Isabellina.** Creamy yellow.

**Pure White.**

**Violet.** White eye.

**Mixed.**

**Dwarf Salmon Pink.** 6 inches.

**Dwarf Mixed.** 6 inches tall.

All above. Pkts. 15c.

#### GIGANTEA. Extra-large-flowered strain:

**Salmon Glory.** New salmon-pink, with cream eye. Pkt. 15c.

**Red Glory.** Rich bright red.

**Rosy Morn.** New bright rose-pink, with white eye.

**Art Shades Mixed.** Contains the above, and other light shades. Pkt. 20c.



PHLOX GIGANTEA, SALMON GLORY

### PHYSALIS *franchetti*, Chinese Lanterns. Bien. fiss'-a-lis.

Orange-scarlet pods the second year, beautiful dried for Winter decoration; 1½ feet. Sow January to June. Germination period 3 weeks. Pkt. 25c.

### PHYSOSTEGIA *Virginiana*. Obedient Plant. Per.

fy-soh-stee'-ji-a. Sun or part shade.

Lavender-pink, tube-shaped flowers in showy spikes on bushy border plant in July and August; 4 feet. Sow September to May. Germination period 25 days. Pkt. 15c.

### PLATYCODON *grandiflora*, Bell Flower. Per. plat-i-koh'-don.

Part shade, sun.

Blue, balloon-like buds opening into large, deep blue bell-shaped flowers, for partly shaded borders; 1½ feet. Sow August to March. Germination period 12 to 15 days. Pkt. 15c.

### PLATYSTEMON *californicus*, Cream Cups. plat-i-stee'-mon.

Sun.

Native; creamy-white flowers like miniature double Shirley poppies. Sow October to March in full sun, where to remain. Pkt. 15c.

## Poppies

### POPPY, *Papaver sp.* pay-pay'-ver. Sun.

Pink, rose, orange, and red shades, quick, showy, large-flowered bedders, which may be cut if the cut ends of the stems are singed. Sow November to May. Germination period 10 to 14 days.

**Flanders.** True French Poppy, deep red.

**SHIRLEY.** Crinkled petals and hairy foliage; 1½ feet:

**American Legion.** Large orange-scarlet.

**Wild-Rose Pink.**

**Single Formula Mixture.** Many choice shades.

**Double Camellia-flowered.** Pkts. 10c.

**TALL SORTS.** Smooth foliage; 3 feet.

**Double Mixed.**

**Single Mixed.**

**Double Salmon Pink.** Huge pompons. Pkts. 10c.

### POPPY. Per.

Sow August to March. Germination period 10 to 15 days.

**Glaucium.** 3 feet; deep, glossy orange, smooth foliage; magnificent specimen plant. Pkt. 10c.

**NUDICAULE (ICELAND).** 1½ feet, with crinkly-petalled flowers on long stems above low leaf-clumps, fine for edgings and bouquets; bloom first year.

**Coonara Pink.** Beautiful shades of pink and rose.

**Pastel Tints.** New.

**Sanford's Giants.** Oranges, yellows and whites—the best strain in size of flower and color.

**Kelmscott Strain.** The finest and most beautiful color range—many creams, biscuits, pinks and salmons with the white, yellow and orange. Long strong stems. Pkt. 25c.

**Gartref Hybrids.** Giant flowers in beautiful shades, picotee-edged.

**Empress.** Lovely, large salmon-rose shades.

**Emperor.** Giant orange.

**White.** Pure white.

**Yellow Wonder.** Giant buttercup-yellow. Pkt. 15c.

**ORIENTAL HYBRIDS.** Strong foliage and stems; huge flowers: **Salmon Shades.** Huge flowers; 3 feet tall. Pkt. 15c.

**Mixed.** In salmon, rose, orange and red shades (2½ feet). Pkt. 15c.

### PORTULACA *grandiflora*, Moss Rose. pohr-tew-lak'-ka. Sun.

Pink, rose, lavender, yellow, orange, and red shades; showy ground cover and bedder, standing hot, dry situations; 6 inches. Sow February to May. Germination period 2 weeks.

**Single, Rainbow Mixed.** ¼ oz. 75c; Pkts. 10c.

**Double, Reselected Mixed.** ½ oz. \$1.00; Pkt. 15c.

## Primulas

### PRIMULA, Primrose. prim'-you-la. Shade.

Showy flowers for pots and beds in shade.

**Cultural Notes:** Sow seeds on surface of compost half fibrous loam, balance equal parts leaf-mold, decayed cow manure, and sharp sand (if manure is not old, it is better left out), pressed firmly in flat, or 6-inch pot, half filled with drainage. Sprinkle seeds thinly with similar soil, and cover with pane of glass. Shade from sun and keep moist from below. May is best month, but sowings may be made successfully any time.

**POLYANTHUS, Per.** English-type; 6 inches.

Yellow, orange, brown, red, purple flowers in large clusters. Germination period 60 days.

**Blue Shades.** From forget-me-not blue, through sapphire to purple, slower germination. Pkt. 75c.

**Red Shades.** Large, dark velvety red to flame. Pkt. 50c.

**Yellow Gold.** Choicest, largest yellows. Pkt. 50c.

**Pastel Blend.** Clark's Colossal, hand-pollinated strain. Pink, salmon, lavender, apricot, new color breaks. Pkt. \$1.00; ½ Pkt. 50c.

**Giant Munstead Strain.** Mostly yellow shades.

**Giant-flowered Hybrids.** All colors. Pkt. 50c.

#### MALACOIDES, Baby Primrose:

Feathery clusters of small flowers for Winter and Spring beds and edging; 1 foot. Germination period 3 weeks.

**Brilliance.** New rose-red.

**Lavender.** Large-flowered.

**Light Lilac.** The earliest-flowering.

**Snow Queen.** Pure white.

**True Rose.** Deep rose-pink. Pkts. 25c; 5 for \$1.00.

#### GIANT-FLOWERED. Malacoides Strain:

**Cameo.** Semi-double, orchid with center petals lighter and slightly crested, giving cameo effect.

**Double Fairy Jewels.** Rich rose-pink.

**Enchantress.** Soft salmon-rose.

**First Lady.** Double. Center petals swirled and crested. White with a faint pink flush.

**Lavender Glory.** Deep lavender.

**Snow-Flake.** Pure white.

**Sweetheart.** The first bi-color primula, bright salmon-pink, white bordered, huge florets on wiry stems.

**Twinkles.** Double, a soft flesh pink with picotee pencilings of rose, crested double centers. Pkts. 50c.

#### OBCONICA:

Large flowers, from December to July; 10 inches. Germination period 20 days.

**Apple Blossom.** Light rose-pink.

**Berlin Red (Fassbender Strain).** Huge deep red.

**Coerulea.** Clear blue.

**Lachsrosa.** Fine new salmon-rose.

**Rhine Pearl.** Salmony-red.

**Salmon Queen.** Pure salmon pink.

**White.** Large pure white.

**Grandiflora Mixed.** Pkt. 50c.

### PYRETHRUM *roseum hybridum*. Per. Sun.

Pink, rose, and red, large daisy flowers above feathery foliage for beds and bouquets; 1 to 2 feet. Sow September to May. Germination period 3 weeks.

**Grandiflorum Single Mixed.** Pkt. 25c.

**Double Mixed.** Pkt. 25c.

### QUEEN ANNE'S LACE FLOWER. Sun.

White, tiny flowers in umbels, the whole forming large lacy heads. Attractive in the mixed bed, and useful as a cut-flower filler; 2½ feet. Sow February to May. Pkt. 10c.

### RANUNCULUS. Per. rah-nun'-cue-lus. Sun.

Beautiful Spring flowers in shades of pink, white, red, yellow and rose. Sow from July to November for bloom February to May. Germination period 30-40 days.

**Tecolote Giant Double Hybrids Mixed.** Pkt. 50c; Small Pkt. 25c.





ICELAND POPPY, KELMSCOTT

**ROCKERY PERENNIALS, Mixed. Per. Sun.**

A splendid special mixture of 24 hardy, low-growing perennials, unusually interesting to grow, and, of course, ideal for rock gardens; 6 to 12 inches. Sow October to May. Pkt. 15c.

**RUDBECKIA, Cone Flower. rud-beck'-i-a. Sun.**

**Indian Maid.** Golden yellow, single daisies, with brown cone-shaped centers for borders or cutting, in sun or partial shade; 3 feet. Sow August to May. Germination period 8 to 10 days.  
**Starlight.** Primrose yellow to mahogany and bi-colors, semi-double. Pkt. 15c.

**SALPIGLOSSIS, Painted Glories. sal-pi-glos'-is. Sun.**

Rose, red, yellow, purple, and white, large rich velvety flowers mostly veined with gold, for a striking bed or bouquet. Sow November to May, preferably early, as they make their best growth during cool weather. Sow where to remain, or transplant young. Germination period 2 weeks.

**Emperor Mixed.** 3 to 4 feet tall.  $\frac{1}{4}$  oz. 45c; Pkt. 10c.

**SEMI-DWARF.** New sturdy strain;  $1\frac{1}{2}$  feet:

**Blue-and-Silver.** Mid-blue veined silver.

**Golden Rose.** Rich rose, golden veins and stripes.

**Red Star Chamois.** Buff-yellow, broad red stripes, star-like from gold throat.

**Mixed.** Large Pkt. 35c; Small 15c.

**SALVIA, Sage. Per. sal'-vi-a. Sun.**

Red or blue flowers in spikes, for Summer and Fall beds; bloom first year. Sow February to May. Germination period 2 weeks.

**Farinacea, Blue Bedder.** Mid-blue, woolly stems and bracts. Pkt. 15c.

**Harbinger.** Compact, vivid scarlet; 1 foot. Pkt. 25c.

**Patens.** Pure indigo blue. Pkt. 15c.

**Splendens America.** 2 feet; bright red. Pkt. 10c.

**SANVITALIA procumbens. san-vi-tal'-i-a. Sun.**

Orange-yellow, zinnia-like flowers on trailing plant for hot, dry situations; 6 inches. Sow January to May. Germination period 10 days. Pkt. 10c.

**SAPONARIA vaccaria rosea. sap-o-nair'-i-a. Sun.**

Rose flowers in graceful sprays, like a large-flowered Gypsophila; 2 feet. Sow February to April. Germination period 10 days.  $\frac{1}{4}$  oz. 25c; Pkt. 10c.

**SCABIOSA, Pincushion Flower. Sun.**

Blue, pink, white, yellow, scarlet, and crimson, large double flowers on long stems for beds and bouquets; 3 feet. Germination period 2 to 3 weeks.

**Cultural Note:** Annual Scabiosas, although they will bloom in Summer, do best in cool Spring months. Hence, advisable to sow in early Fall in warm sections, and in late Winter in cold climates. In Southern California, plants Winter over and give their best flowers early this second Spring. Thrive in sun, in any good soil.

**Ageratum Blue.** Best lavender-blue.

**Azure Fairy.** Sky blue.

**Blue Moon.** New mid-blue, ball-shaped flowers on extra-long stems (15c).

**Heavenly Blue.** New dwarf; 18 inches; azure blue (15c).

**King of the Blacks.** Maroon red.

**Loveliness.** Salmon pink.

SCABIOSA,  
ISAAC HOUSEHELIANTHUS,  
SUN GOLD

**Peace.** White, semi-dwarf.

**Rosette.** Deep rose pink (15c).

**Salmon Beauty.** New, light salmon shades (15c).

**Shasta Improved.** Giant pure white.

**Giant Hybrids Mixed.** Large flowers, rare colors.  $\frac{1}{4}$  oz. 35c; Pkt. 10c.

**CAUCASICA** (2 feet). **Per.**

**Isaac House Hybrids.** Shades of blue, lavender, and white. Pkt. 25c.

**SCHIZANTHUS, Poor Man's Orchid. sky-zan'-thus.**

Partial shade.

Chamois, rose, lavender, and purple shades, beautifully marked and unusually formed flowers and fern-like foliage for pots or partly shaded beds;  $1\frac{1}{2}$  feet. Sow November to May. Germination period 2 to 4 weeks.

**Grandiflora Hybrids, Dr. Badger's Improved.** The finest pot strain. Pkt. 25c.

**Grandiflora Mixed.** For bedding or Spring ground or bulb cover. Pkt. 15c.

**SHAMROCK.**

**Irish Shamrock.** An interesting pot plant for Saint Patrick's Day. Pkt. 25c.



SWEET PEAS, EARLY FLOWERING SPENCER





RANUNCULUS, TECOLOTE GIANTS



STOCK, CALIFORNIA GIANT

## Stocks

### STOCK. Sun.

Splendid fragrant bedding and cutting plant. Sow July to March. Germination period 5 to 10 days.

**Cultural Note:** Stock seedlings should be transplanted early; plants must not suffer a check at any time as permanent stunting may result. Soil should be deep and rich, but well-drained, and never over-watered.

**DWARF TEN-WEEK** (15 inches), best Summer flowering type, and only strain recommended for outdoor growth in East and Middle West.

**All Colors Mixed.** 1/16 oz. 35c; Pkt. 15c.

**GIANT IMPERIAL, or BISMARCK.** 2½ feet:

**Antique Copper.** Bronzy-red.

**Buttercup.** Deep cream.

**Carmine Rose.** Rosy-red.

**Chamois Rose.** Creamy rose.

**Cream Pink.** Ivory tinted pink.

**Dark Blue.** Purple.

**Elks' Pride.** Royal purple.

**Fiery Blood Red.** Rich crimson.

**Flesh Pink.**

**Golden Ball.** Golden yellow.

**\*Golden Gate.** Large deep crimson.

**Golden Rose.** Yellow-centered.

**Lilac.** Deep lavender.

**\*Mojave.** Rich purple.

**Old Rose.**

**\*Santa Maria.** Giant white.

**\*Tahoe.** Large clear lavender.

**\*Yosemite.** Large rose-pink.

**\*Red Woods.** Blood red.

**All Colors Mixed.** 1/16 oz. 45c; Pkt. 15c. Separate colors:

Pkt. 20c; 6 for \$1.00.

\*These varieties are in the California Giants group, an Improved Giant Imperial strain.

**MAMMOTH BEAUTY OF NICE.** 2 feet:

**Aurora.** Cream-tinted pink.

**Beauty of Nice.** Flesh pink.

**Belle of Naples.** Old rose.

**Many Shades Mixed.** Pkt. 15c.

**BROMPTON; Emperor or Winter.** 1½ feet; flower March to May:

**Empress Elizabeth.** Bright deep pink.

**Crimson King.** Rich red.

**Violetta.** Deep violet-purple.

**White Lady.** Pure white. Pkts. 25c; 5 for \$1.00.

**COLONIAL.** Naturally base-branching; 2½ feet:

**Mixed.** Pkts. 15c.

### SHASTA DAISY, *Chrysanthemum maximum*. Per. Sun.

Large white border and cutting flower. Sow any time. Germination period 10 to 14 days.

**Alaska.** Largest-flowered; 2½ feet.

**May Queen.** More flowers, somewhat smaller; 2 feet. Pkt. 10c.

**Double and Crested Mixed.** New beautiful strain, with large ball-shaped double flowers or single, anemone-centered blooms.

Large Pkt. 50; Small Pkt. 25c.

## Sweet Peas

### SWEET PEAS, *Lathyrus odoratus*. Sun.

**Early Flowering Spencer** is the best strain for California and the South, or for greenhouse use anywhere, blooming from December to June if planted in August or September. Flowers are very large, wavy, 3 to 4 on long stems. Sow August to March. Germination period 10 days.

**Leading Popular Varieties.** Oz. 75c; ½ oz. 40c; ¼ oz. 30c;

Pkt. 10c.

**Bacchus.** Red-purple.

**Bridesmaid.** Silver-pink.

**Blue Danube.** Clear blue.

**Boon.** Coral or flame pink.

**Cinderella.** Light blue.

**Daphne.** Salmon and cream.

**Gardenia.** Fragrant white.

**Mars.** Rich blood-red.

**Memory.** Orchid-lavender.

**Oriental.** Deepest cream.

**Othello.** Deepest maroon.

**Shirley Temple.** Rose-pink.

**Top Hat.** Blue-purple.

**Tops.** Bright rose-pink, yielding 5 and 6 giant flowers per stem.

**Vulcan.** Vivid scarlet.

**Fortyniner.** Glowing orange, frilled.

**Mariner.** Clear marine blue.



SHASTA DAISY, DOUBLE





SWEET WILLIAM, SINGLE

**Cuthbertson Strain, Mixed.** Heat-resistant, later blooming.

**Campbell's Special Mixture** of Named Early Spencers contains all the above varieties. Oz. 50c; ½ oz. 30c; ¼ oz. 15c.

**Spring-Flowering Spencers** (new group, commencing to flower about April 1 and continuing into Summer from late Fall sowings. Have greater vigor and resistance to drought than any other Sweet Peas. An excellent strain for a second or follow-up crop to the Winter-and-Spring-flowering Early Spencers): **Mid-Blue; Lavender; Mauve-Lilac; Rose-Pink; Salmon-Rose; and White.** Pkts. 15c; 5 for 60c.

**Late Spencer Mixed.** (Bloom by May.) Oz. 35c; ½ oz. 20c; Pkt. 15c.

**Dwarf Spencer.** For bedding (bushy plants; 1 foot). Pkt. 15c.  
**Bo-Peep.** New early salmon pink. Pkt. 15c.

**SIDALCEA, Per.** sy-dal'-see-a. Sun.

Rose, mauve, and purple, hollyhock-like flowers in slender spikes for sunny borders and cutting; 3 to 4 feet. Sow September to May.

**Rose Queen.** Rose-pink.

**New Hybrids Mixed.** Pkts. 15c.

**SNAPDRAGON.** See Antirrhinum.

**STATICE, stat'-iss.** Sun.

Pink, blue, and yellow, small everlasting flowers in clusters; 3 feet. Sow any time. Germination period 2 to 3 weeks.

**Bonduelli.** Yellow.

**Sinuafa Rose.** True Blue. Mixed.

**Suworwii, Russian Rat Tail.** Rose. Pkt. 10c.

**STATICE, Sea-Lavender, Per.** Sun.

Straw-like flowers; basal leaves; 2 feet. Sow any time.

**Caspia.** Sprays of tiny lilac flowers, to mix in bouquets.

**Perezi.** Rich deep blue flower clusters, effective in borders. Pkts. 15c.

**STEVIA serrata, Per.** Stee'-vi-a. Sun or light shade.

White, fragrant, small flowers in large heads for beds and mixed bouquets; may be grown as an annual; 2 feet. Sow January to May. Pkt. 10c.

**SUNFLOWER.** See Helianthus.

**SWEET WILLIAM, Dianthus barbatus, Per.** Sun.

Pink, red, and white flowers, like small pinks, in large clusters for beds and bouquets; 1½ to 2 feet. Sow October to May. Germination period 7 days.

**Newport Pink** (Pink Beauty). Salmon rose.

**Scarlet Beauty.** Bright red.

**Giant White.** New, very large flowers in immense trusses like Per. Phlox.

**Single Mixed.** All colors. ¼ oz. 40c; Pkt. 10c.

**Double Mixed.** All colors. ¼ oz. 50c; Pkt. 15c.

**SWEET SULTAN.** See Centaurea imperialis.

**TAHOKA DAISY.** Sun.

Large lavender, yellow-eyed daisies on long stems for cutting and show; feathery foliage; 1½ feet. Sow February to May. Pkt. 15c.

**TEXAS BLUE BONNET.** See Lupinus texensis.

**TITHONIA speciosa, Mexican Sunflower.** ti-thoh'-ni-a.

Orange-scarlet, glistening flowers, like large single Dahlias, on rapid-growing, shrub-like annual for backgrounds and cutting; 6 to 9 feet. Sow March to June. Germination period 25 days. Bloom October-November.

**Bright Orange.**

**Fireball.** New vivid orange-scarlet. 1/16 oz. 60c; Pkts. 15c.

**TORENIA fournieri.** Partial shade.

Rich blue flowers with golden centers, in profusion, for pots or beds; 9 inches. Sow February to June. Germination period 2 weeks. Pkt. 15c.

**TRITOMA, Red Hot Poker; Kniphofia, Per.** try-toh'-ma. Sun.

Red, orange and yellow flowers, in large spear-shaped heads; foliage grass-like; 3 feet. Sow March to June. Early sowings often bloom first season. Germination period 3 weeks.

**Pfitzer's Hybrid Red.** Large and brilliant.

**Hybrids Mixed.** All shades. Pkt. 15c.

**VALERIANA, Garden Heliotrope.** va-leer-i-an'-a.

Sun, partial shade.

**Mixed.** Rose, red, white; small flowers in heads, very freely produced; 2½ feet. Sow December to April. Pkt. 10c.

## Verbena

**VERBENA hybrida, Per.** ver-bee'-na. Sun.

Pink, rose, red, lavender, blue, purple, white flowers in clusters, brilliant for bedding, and trailing ground cover; 1 foot. Sow December to August. Germination period 10 to 15 days.

**GIGANTEA.** Each floret in cluster usually as large as a quarter:

**Blue.** Deep blue, white eye.

**Floradale Beauty.** New, salmon-rose shades.

**Lavender Glory.** Large, best lavender.

**Spectrum Red.** Intense red.

**White.** Pure white.

**Mixed.** Including other shades. ⅛ oz. 45c; Pkt. 15c.

**ERECT, CUTTING VARIETIES:**

**Blue Sentinel.** New velvety blue-violet.

**Royal Bouquet Mixed.** Pkt. 15c.

**ANNUAL VERBENA:**

**Golden Queen.** Good yellow; 1 foot. Sow November to May. Pkt. 15c.

**VENIDIUM fastuosum.** ve-nid'-i-um.

Glossy orange daisies with purple-black zone, 4 to 5 inches across, striking in the garden or cut; 2 to 3 feet. Sow January to May. Germination period 12 to 25 days. Avoid over watering.

**Vivid Orange; New Hybrids.** In a mixture of shades from orange through yellows to cream and white. Pkt. 15c.



PHACELIA CAMPANULARIA

**VERONICA spicata, Per.** Sun to partial shade.

Rich deep blue, tiny tubular flowers in long, pointed spikes for borders; 1½ feet. Sow March to August. Pkt. 15c.

**VINCA rosea, Periwinkle, Per.** Sun to partial shade.

Pink and white, phlox-like, large flowers in sun or semi-shade; foliage dark, glossy green; 1 foot. Sown February to April, will bloom same year. Germination period 2 weeks.

**Mixed.** ⅛ oz. 50c; Pkt. 10c.

**VIOLA, Tufted Pansy.** Sun, partial shade.

Flowers, although smaller than pansies, are produced even more freely, and make Violas ideal bedding and border plants for Winter and Spring; 6 inches. Sow July to March. Germination period 10 to 14 days.

**Arkwright Ruby.** New rich red.

**Blue Perfection.** Large clear blue.

**Blue Butterfly.** New, dark blue, upper petals pale blue.

**Chantreyland.** Improved apricot.

**Firmament.** Turquoise blue.

**Lutea Splendens.** Bright yellow.

**Papilio.** Blue, upper petals white.

**Violet Papilio.** Deep blue.

**White Perfection.**

**Bright Mixed.** All colors. ⅛ oz. \$1.25; Pkts. 25c.

**Johnny-Jump-Up.** Little, purple-and-gold pansy faces, for rockeries and edgings. Pkt. 15c.





**AQUILEGIA,  
COLUMBINE**



**NEMOPHILA,  
BABY BLUE EYES**

## Campbell's California Wild Flower Mixtures

**Will Grow Almost Anywhere, Cover Vacant Lots and Bare Corners, and Furnish Cut Flowers. An Ideal Souvenir! Cultural Note:** Best sown in late Fall in all climates, since they will bloom in late Winter and Spring in a mild region, yet lie dormant and sprout and bloom in early Spring in the cold sections of the United States. They may still be sown, with sure results, as late as April in Southern California, and June in the cooler sections. Broadcasting the seed, mixed with sand, over finely-pulverized soil in the open, is the best plan. Rake-in very lightly, or merely cover with scattered soil or peat. If in the Fall, do not water; if in the Spring when natural rainfall cannot be depended upon, keep moist until sprouted, and irrigate thereafter.

**Campbell's Special Mixtures**, in contrast to many cheap mixtures, contains only California natives. The two mixtures are alike (with more than 30 species represented, to give a long and interesting season of bloom), with this exception: There is no California Poppy in mixture No. 2, for those who may have these bright flowers already established.

**Mixture No. 1**, including California Poppies. Lb. \$7.50; ¼ lb. \$2.85; oz. 75c; ½ oz. 50c; Pkt. 10c.

**Mixture No. 2**. All varieties except California Poppy. Lb. \$8.50; ¼ lb. \$3.00; oz. \$1.00; ½ oz. 40c; Pkt. 15c.

**Souvenir Collection** of 10 dependable California Wild Flowers, in separate 10c packets, our selection. **Special for 75c.**

### VIRGINIAN STOCK, *Malcolmia*. Sun.

Rose, red, yellow, white, small single flowers cover these low, splendid Winter and Spring edging, bulb-bed and ground cover plants; 6 inches. Sow October to May. Germination period 12 days. **Mixed.** Oz. \$1.00; ½ oz. 60c; Pkt. 15c.



**VERONICA**

### VISCARIA *oculata*. vis-kair'-i-a. Sun.

Blue, pink, and white, large flax-like flowers, very effective in beds and bouquets; 1 foot. Sow October to April. ¼ oz. 35c; Pkt. 10c.

### WALLFLOWER. Sun.

Rich reds, browns, yellows; fragrant, stock-like flowers, for bedding and cutting; 1 to 2 feet. Sow September to March. Germination period 10 to 14 days.

**Single Annual; Blood Red, Paris Brown, Yellow, Mixed.** Pkt. 10c.

**Double Mixed.** (Early Wonder.) Pkt. 15c.

**Single Perennial Mixed.** Pkt. 15c.

### WILD CUCUMBER, *Echinocystis lobata*. Vine. Sun, partial shade.

Quick shade vine or ground cover trailer, with attractive, light green foliage, and curious prickly fruits (a hardy native gourd). Sow March to June. Germination period 10 to 20 days. ½ oz. 30c; Pkt. 10c.



**ZINNIA, CALIFORNIA GIANT**

## Zinnia

### ZINNIA. zin'-ni-a. Sun.

Our Summer specialty. Pinks, reds, yellows, and purples, in vivid shades, unexcelled for Summer bedding and cut-flowers. Sow February to July. Germination period 5 to 10 days.

**Cultural Note:** Sow Zinnia seed where the plants are to bloom if this is at all possible; otherwise transplant when the seedlings are small. When watering, rather than use the sprinkler, irrigate by the trench method and let the water run slowly for several hours until it has soaked down thoroughly into the ground through and beyond the roots. You will then have maximum results, yet need to water the plants only once every two weeks if the top soil is properly cultivated a day or so after each irrigation.

**DAHLIA-FLOWERED.** Huge, loose-petalled, cup-centered flowers; 2½ to 3 feet:

**Canary Bird.** Bright yellow.

**Crimson Monarch.** Huge rich red.

**Dream.** Deep rosy lavender.

**Eldorado.** Salmon-apricot shades.

**Exquisite.** Light rose with deeper center.

**Illumination.** Deep rose.

**Golden State.** Orange-yellow.

**Luminosa.** Vivid deep pink.

**Meior.** The deepest red.

**Oriole.** Orange and gold bicolor.

**Polar Bear.** Large white.

**Royal Purple.** New, deep rich purple.

**Will Rogers.** Improved new scarlet.

**Gold Medal Mixed** (blended from named varieties). Oz. \$1.50; ¼ oz. 45c; Pkt. 15c, 7 for 85c.

**Pastel Shades Mixed.** Prices same as Gold Medal. Mixed.

**CALIFORNIA GIANTS.** Giant Mammoth. Huge, close-petalled, flat-topped blooms; longer-stemmed than the Dahlia-flowered type; 3 to 3½ feet:

**Apricot Queen.** Beautiful salmon-orange.

**Daffodil Improved.** Canary yellow.

**Enchantress.** Light rose with deeper center.

**Golden Queen.** Deep yellow.

**Grenadier.** Deep rosy-red.

**Lavender Queen.** Rosy lavender.

**Miss Willmott.** Soft pink.

**Orange King.** Rich deep orange.

**Purity.** Pure white.

**Rose Queen.** Deep rose.

**Scarlet Queen.** Rich bright scarlet.

**Named Varieties Mixed.** All colors. Oz. \$1.50; ¼ oz. 45c; Pkt. 15c, 7 for 85c.





SANVITALIA

ZINNIAS  
LINEARIS

HAAGEANA



ZINNIA, POMPON

**Crown o' Gold.** A new and pleasing Giant Dahlia-flowered Zinnia, with golden yellow overlaid on the base of the petals. **Super Crown o' Gold Pastel Mixture.** The aristocrat of Zinnias.  $\frac{1}{4}$  oz. 60c; Pkt. 15c.

**PUMILA ELEGANS, Cut and Come Again.** Medium sized flowers with the Truest Zinnia colors; 2 feet:

**Canary Yellow; Crimson; Golden Orange; Salmon Rose; Scarlet; Spun Gold.** New cream-yellow. **All Colors Mixed.** Oz. \$1.00;  $\frac{1}{4}$  oz. 30c; Pkt. 10c.

**FANTASY.** New, informal Chrysanthemum-flowered type with slender, daintily-twisted petals:

**Melody.** Lavender.

**Orange Lady.** Orange.

**Rosalie.** Old rose.

**White Light.** Pure white.

**Wildfire.** New bright scarlet. Pkt. 15c.

**Mixed.** All Zinnia colors.  $\frac{1}{4}$  oz. 45c; Pkt. 10c.

**POMPON, Lilliput.** Small, very double flowers, fine for edgings and bouquets; 1 to  $1\frac{1}{2}$  feet.

**Canary Yellow; Crimson Gem; Golden Gem; Lavender Gem; Salmon Rose; Red Riding Hood, scarlet; Valencia, burnt orange; White.** Pkt. 10c.

**PASTEL SHADES MIXED.** New, soft colors found in no other Zinnia.

**All Colors Mixed.** Oz. \$1.50;  $\frac{1}{4}$  oz. 35c; Pkt. 10c.

**Black Ruby.** New.

**CUPID.** New, with small, button-like flowers useful for cutting, on 1-foot plants. **Mixed.**  $\frac{1}{8}$  oz. 35c; Pkt. 15c.

**TOM THUMB LILLIPUT.** Extra dwarf; 5 inches; very compact, for edgings and pots. **All Colors Mixed.** Pkt. 15c.

#### ZINNIA haageana, Mexican Zinnia.

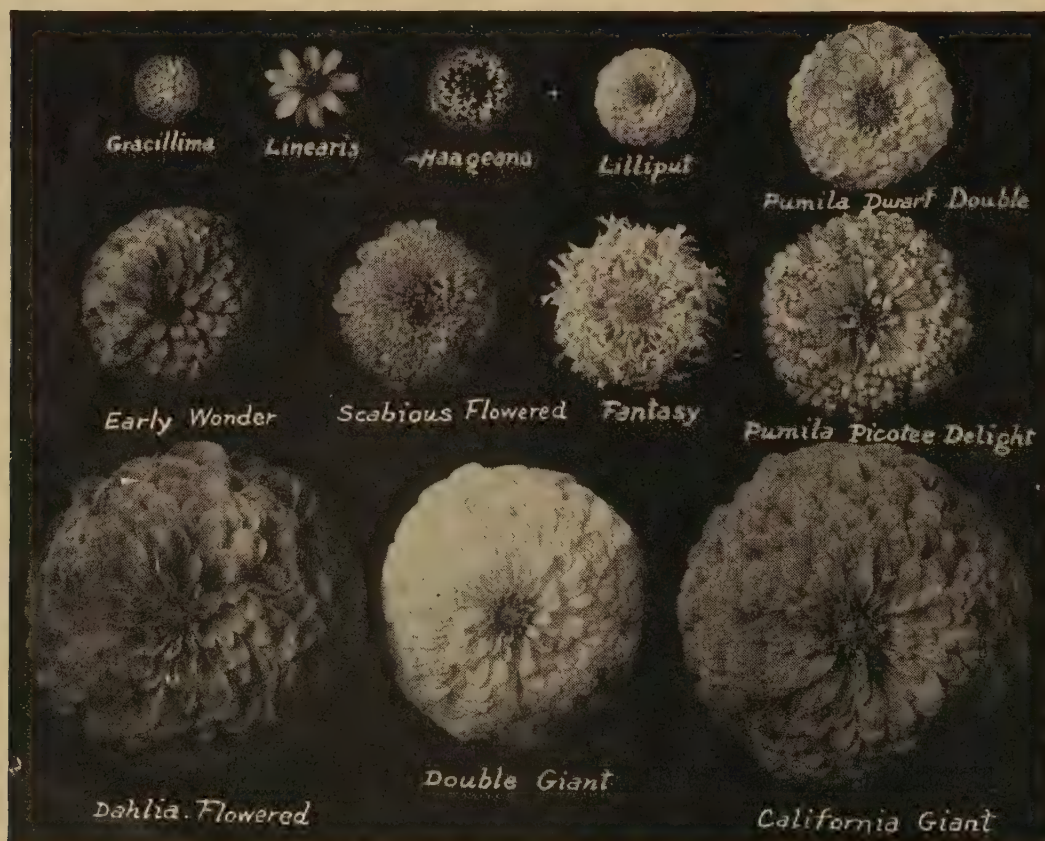
Many unusual and attractive combinations of red, bronze, and orange, with yellow, cream, and white, as well as plain colors, make this dwarf Zinnia beautiful for beds; the stems are long enough for cutting; 1 to 2 feet. Sow March to July. Germination period 5 to 10 days.

**Hybrid Mixed.**  $\frac{1}{8}$  oz. 35c; Pkt. 10c.

#### ZINNIA linearis.

New species with single, glistening orange-and-gold flowers on slender stems all Summer and Fall on compact 8-inch plants, ideal for showy Summer bedding. Sow March to July.  $\frac{1}{16}$  oz. 30c; Pkt. 10c.

ZINNIA, Trailing. See Sanvitalia.



ZINNIAS FOR EVERY PURPOSE



# Vines for All Uses



**IPOMOEA DISSECTA,**  
**MILE-A-MINUTE VINE**

**ASPARAGUS Fern. Per.** as-pa'-ra-gus. Partial or full shade.  
**Plumosus nanus**, feathery, fern-like foliage for bouquets. Sow March to September. Germination period 15 to 30 days. 100 seeds, 50c; Pkt. 10c.

**AUSTRALIAN PEA VINE, Dolichos lignosus. Per.**

Sun, part shade.  
Rose-pink, small, pea-shaped flowers on rapid evergreen vine; sow November to March. Germination period, 12 days. Pkt. 10c.



**COBAEA**

**CARDINAL CLIMBER, Ipomoea quamoclit hybrida. Sun.**

**Vine.**  
Fiery-red tubular flowers on rapid vine; sow February to May. Germination period 10 to 15 days. Pkt. 15c.

**COBAEA scandens, Cathedral Bells Vine. ko-bee'-a. Sun.**

Violet-blue, large, bell-shaped flowers on very rapid, deep-green-leaved vine for sun or partial shade; sow seeds on edge, Feb. to May. Germination period 3 weeks. Pkts. 10c.



**CYPRESS VINE**

**CYPRESS VINE, Ipomoea quamoclit. Vine. Sun.**

Red and white star-shaped flowers on quick, twining vine with feathery foliage; sow February to May. Germination period 10 to 20 days. **Mixed.** Pkt. 10c.

**DOLICHOS lablab, Hyacinth Bean. Vine. doll'-i- kos. Sun.**

Rosey-purple pea flowers on quick vine, with showy purple pods; sow March to May. Germination period 10 days. Pkt. 10c.



**AUSTRALIAN PEA VINE**

**GOURDS**

Quick vines or trailers, with grotesque or ornamental fruits; sow March to June. Germination period 2 weeks. Sun.

**Cultural Note:** Sow in open, in warm, sandy soil. Do not water after they begin to bloom, else flowers may drop. For perfect shaped specimens, train vines on fence or trellis. Do not pick fruits until individual stems are brown and fingernail will not dent shell. After picking hang in an airy, dry place to cure. Large, hard-shelled varieties are usually scrubbed and painted; small, colorful varieties wiped free of dust and given a light coating of varnish or shellac.

**Large Sorts Mixed.** Oz. 40c; 1/2-oz. 25c; Pkts. 10c.

**Warted Varieties Mixed.**

**Small Sorts Mixed.** All varieties, oz. 60c; 1/2 oz. 35c; Pkt. 15c.

**LATHYRUS latifolius, Perennial Sweet Pea. Per. Vine.**

lath'-i-russ. Sun.

Red, pink, and white sweat-pea flowers (not fragrant) in clusters, on vine best as trailer and ground-cover; sow November to May. Germination period 3 weeks.

**Pink Beauty; White Pearl; Red; Mixed.** Pkts. 10c.

**MILE-A-MINUTE VINE, Ipomoea dissecta. Vine. Sun.**

Creamy-white, wine-red-centered, medium-sized flowers open all afternoon on fast-growing vine with lovely lacy foliage; notch seeds or soak overnight; sow April to June. Pkt. 15c.



**PASSION VINE**





THUNBERGIA ALATA

**MINA LOBATA, Flag of Spain. Vine. Sun.**

Red changing to yellow, tubular flowers in clusters on rapid vine, with beautiful lobed leaves; sow February to May; notch seeds, or soak for surer germination (period is 2 weeks). Pkt. 15c.

**MOON VINE, Ipomoea noctiflora. Per. Vine. Sun.**

Pure white, large flowers open at night, on rapid climber; sow February to April, notching the seeds or soaking 24 hours. Germination period 40 to 60 days. **White Moonflower** (grandiflora alba), open at night and early morning. Pkt. 15c.

**MORNING GLORIES. Vines. See also Cardinal Climber, Cypress Vine, and Mile-a-Minute Vine. Sun.**

Rapid very showy annual vines; sow March to June, soaking seeds 24 hours. Germination period 10 to 21 days. For best bloom, never fertilize, and water very sparingly.

**CONVOLVULUS SPECIES: Major Blue; Major Mixed. Oz. 25c; Pkts. 10c.**

**IPOMOEAE SPECIES:**

**Heavenly Blue**, Clarke's Early-flowering, sky-blue, 4-inch flowers, with yellow throat.

**Pearly Gates**, a satiny white sport of Heavenly Blue, very similar in form and vigor.

**Scarlet O'Hara**, new deep rosy-crimson.

**Cornell**, deep red, strikingly margined with white.

**Rose Marie**, double deep rose flowers, produced early and freely.

All above, Pkts. 15c.

**PASSION VINE, Passiflora edulis. Per. Vine. Sun.**

Beautiful and interesting waxy blue-and-white flowers on attractive vine, evergreen in mild climates, apt to winter-kill in severe; fruits edible, and much-prized for the strongly-flavored juice; sow March to July. Germination period 30 to 40 days. Pkt. 15c.

**SCARLET RUNNER BEAN. Vine. Sun.**

Bright red pea-flower on rapid vine with large edible pods; sow February to May. Lb. 75c; ¼-lb. 25c; oz. 10c.

**THUNBERGIA alata, Black-eyed Susan. thun-ber'-ji-a. Sun.**

Orange, yellow white, large flowers with black centers on vigorous trailer; sow February to June. Germination period 2 weeks. **Mixed. Pkt. 10c.**

**THUNBERGIA Gibsoni. Per. Vine. Sun.**

Rich orange, large and showy flowers on tender climber or trailer, for greenhouse or sheltered position outdoors; sow, inside, anytime; outside, April to July. Germination period 2 weeks. Pkt. 25c.

**PLANT IN FULL SUN****Sow in Spring**

Agrostemma  
Alyssum  
Aster  
Calliopsis  
Carnation  
Centaurea  
Cleome  
Cosmos  
Helianthus  
Marigold  
Zinnia

**Sow in Fall**

Antirrhinum  
Arctotis  
Calendula  
Campanula  
Coreopsis  
Delphinium  
Dimorphotheca  
Gaillardia  
Hollyhocks  
Phlox  
Poppies  
Stocks

**SHADE GROWING****Sow in Spring**

Aquilegia\*  
Begonia  
Cineraria  
Coleus  
Foxglove  
Impatiens  
Huechera\*  
Primula  
Vinca\*  
Campanula\*

**Sow in Fall**

Calceolaria  
Bellis\*  
Collinsia\*  
Myosotis  
Browallia  
Pansy\*  
Cyclamen\*  
Godetia\*  
Linaria\*  
Nemophila\*

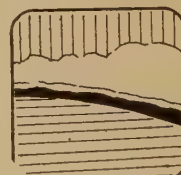
\*Denotes those for partial shade.

**FOR EDGING****Sow in Spring**

Ageratum  
Begonia  
Dianthus  
Gazania  
Lobelia  
Marigold dwf.  
Petunia  
Zinnia

**Sow in Fall**

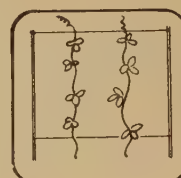
Alyssum  
Arabis  
Bellis  
Candytuft  
Dusty Miller  
Nemesia  
Pansy  
Virginian Stock

**VINES FOR CLIMBING**

Asparagus  
Australian Pea  
Balloon vine  
Canary Bird vine  
Cardinal climber  
Cobaea  
Cypress vine  
Hyacinth Bean  
Gourds

**Sow in Spring**

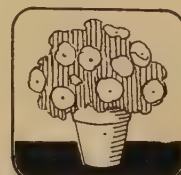
Lathyrus latifolius  
Mile-a-Minute  
Mina lobata  
Moon vine  
Morning Glory  
Thunbergia  
Snail vine  
Scarlet Runner  
Wild Cucumber

**GOOD POT PLANTS****Sow in Spring**

Begonia  
Coleus  
Gloxinia  
Lobelia trl.  
Mimulus  
Nierembergia  
Saintpaulia  
Primula

**Sow in Fall**

Browallia  
Campanula per.  
Cineraria  
Cyclamen  
Gesneria  
Pansy  
Primula  
Schizanthus

**FLOWERS SUITED FOR CUTTING****Sow in Spring**

Carnation  
Centaurea  
Cosmos  
Dahlia  
Dianthus  
Marigold  
Nicotiana  
Scabiosa  
Sweet Sultan

**Sow in Fall**

Antirrhinum  
Calendula  
Campanula  
Coreopsis  
Gaillardia  
Pansy  
Stock  
Sweet William  
Verbena

**FRAGRANT FLOWERS****Sow in Spring**

Carnation  
Dianthus  
Heliotrope  
Nasturtium  
Nicotiana  
Sweet Sultan  
Sweet William

**Sow in Fall**

Alyssum  
Candytuft  
Matthiola  
Mignonette  
Stock  
Sweet Pea  
Wallflower

**NEEDING LITTLE WATER****Sow in Spring**

Ageratum  
Calliopsis  
Centaurea  
Cosmos  
Dianthus  
Euphorbia  
Four o'Clock  
Helianthus  
Marigold  
Petunia  
Scabiosa  
Tithonia  
Zinnia

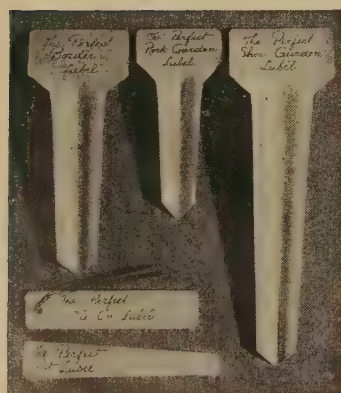
**Sow in Fall**

Alyssum  
Arctotis  
Brachycome  
Browallia  
Candytuft  
Dimorphotheca  
Coreopsis  
Gaillardia  
Hollyhock  
Statice  
Verbena



## Keep Track with "Perfect"

### PERMANENT LABELS



Made of heavy green celluloid composition. Takes lead pencil marks perfectly. Weather proof in all soils and seasons.

**Tie-on Label.** 3½ in. x ¾ in. Doz. 45c, 100, \$3.60.

**Pot Label.** 4 in. x ¾ in. Doz. 40c; 100, \$3.00.

**Border Label.** 5 in. x 2 in. wide. Doz. \$1.25; 25, \$2.40.

**Rock Garden Label.** 4 x 1¾ in. Doz. \$1.15; 25, \$2.00.

**Show Garden Label.** 7 x 2½ in. Doz. \$1.50; 25, \$2.90.



# Campbell's Selected Vegetable Seeds for 1949 Gardens



BEETS, EARLY EGYPTIAN

All Vegetable Packets 10c, Except Where Noted.  
Quantity Prices Quoted on Request.

**ARTICHOKE, Green Globe.** Edible, buds, large, green and broad at base, attractive thistle-like foliage. Sow September to April, 1 inch deep. Save least spiny seedlings; set 4 feet apart. Will bear in 2 or 3 years.

**ASPARAGUS, Mary Washington.** Excellent, rust resistant variety, producing early crops of heavy green shoots. Sow March to May; transplant in February; use second year.

**PARADISE.** A new and superior variety, producing a crop 1 year earlier than most varieties, and yielding more heavily.

**BEANS.** Sow April to July.

**BUSH.** Bountiful, early wax; very prolific; stringless.

**Stringless Greenpod.** The favorite; meaty; stringless.

**Canadian Wonder.** Excellent late variety.

**POLE, Kentucky Wonder.** Fine flavor, rust resistant.

**Kentucky Wonder White Seeded.** Excellent, 10 days earlier.

**Kentucky Wonder Wax.** Very prolific, delicious.

**Potomac.** Green, tender, round pod, fine quality.

**BEANS—LIMA.**

**BUSH (Fordhook).** Fine quality, large, plump.

**Henderson's Bush.** Baby Lima. Heavy bearer, beans small, delicious.

**POLE, Challenger.** 10 to 15 feet vines, long pods of splendid quality; beans which stay green.

Pkts. 15c.

**BEETS, Table.** Sow January to December, all year in mild climates. Greens fine vitamin source.

**Detroit Dark Red.** One of the finest beets for home gardens, symmetrical deep blood red.

**Early Egyptian.** For home and market garden, deep crimson, zoned, roots flattened globe-shaped, small fine tops.

**BROCCOLI, Italian Green Sprouting.** Early strain, large compact heads should be cut before flowers appear. Sow August to January.

**BRUSSELS SPROUTS, Long Island Improved.** Dwarf plants producing quantities of small cabbage-like heads successively; fine flavor.

**CHINESE CABBAGE, Chihili.** Head 18 inches tall, very firm, well blanched, crisp, tender, sweet. Very early and sure heading.

**Wong Bok.** Head 8-10 inches tall, broad, firm, tender, well blanched.

Sow Cabbage July to March.

**CAULIFLOWER—Early Snowball.** Dependable variety with early heads, good quality. Sow August to January. Pkt. 25c.

**Winter Cauliflower.** Firm-heading Broccoli-Cauliflower type, fine large white heads. Sow in Summer. Pkt. 25c.

**CABBAGE—Copenhagen Market.** Early, round, solid, sweet, white.

**Golden Acre.** Second early, solid, round heads.

**Savoy.** Sweet, curled, dark olive green, late.

**Danish Ball Head.** Large, flattened globe heads, firm, splendid keeper, late.

**New Large Red.** Crisp, fine quality, late.

## PLANT VEGETABLES FOR A CONTINUOUS SUPPLY

It is often desirable and practical to extend the harvest period of certain quick maturing vegetables by making a succession of sowings. Thus, after the first sowing, a second one is made a week or two later and possibly a third or fourth so that as the first crop is harvested and gone the second will be ready to harvest. Most of this planning is guess work without some knowledge of the duration or time a crop is in condition for picking.

The following table is intended only as a guide in planning succession plantings, since exposure and weather conditions and the family needs of a crop make it at best an approximation.

Variety	Harvest Lasts	Variety	Harvest Lasts
Beans	4 weeks	Onions (sets)	4 weeks
Beets	6 weeks	Peas	2 weeks
Carrots	8 weeks	Radish	3 weeks
Cucumbers	4 weeks	Spinach	2 weeks
Endive	6 weeks	Sweet Corn	10 days
Kohlrabi	3 weeks	Turnips	2 weeks
Lettuce	6 weeks		

Care should be taken to observe the planting seasons in the chart at the left so that sowings are not made "out of season."





ASPARAGUS, MARY WASHINGTON

**CARROTS—Chantenay.** Red-orange, stump-rooted carrots, 5 to 6 inches long.

**DANVERS HALF LONG.** Crisp, tender, bright orange, 6 to 7 inches long.

**French Forcing.** Earliest, small, red-orange carrot, fine flavor.  
**Imperator.** Popular market and home variety, 8 inches long, stump rooted, cylindrical, deep orange. Sow Carrots any time.

**CELERY—Golden Detroit.** Self-blanching, compact, full hearted.  
**Utah.** Early, green type, solid, with rich, nutty flavor.

**CELERIAC.** Globular-rooted celery, unusual, delicious.

**CHICORY—French Endive.** One of most attractive salad vegetables. The blanched leaves have a tangy, mildly acrid flavor. Sow October to May.

**CHIVES.** Small perennial of the Onion family, leaves used in flavoring salads, soups, stews. Has attractive pink flowers. Sow August-April.

**COLLARDS—Georgia.** Non-heading greens of the Cabbage family, hardy, rich in vitamins. Sow August to March.

**CORN.** Sow March to August. Best planted in several rows for better pollination.

**Golden Bantam Improved.** Sweet, tender, 8-inch ears.

**Golden Cross Bantam.** Best hybrid, disease resistant, fine flavor.

**Black Mexican.** Kernels white at table stage, tender, rich, and sweet.

**Country Gentleman.** Small, deep, sweet kernels, long cob.

**Oregon Evergreen.** Fine, sweet, market variety.

**Pop Corn.** Golden Hullless.

**Field Corns.** Golden Dent, Hickory King, Mexican June.

**CRESS—Curled or Pepper Grass.** Quick growing, frilled, pungent leaves for salad or garnish. Sow any time.

**CUCUMBER—Chicago Pickling.** Fine for pickling and slicing.

**Climbing.** Fine quality, space saver.

**Straight 8.** Long, even, cylindrical. Eight inches long.

**Lemon.** Superior quality for salads and pickling.

**Long Green Improved.** Fine home garden slicing variety, smooth, even.

**Small Gherkin.** True West India pickling strain, very prolific. 1½ to 2 inches long, oval. Sow Cucumbers March to July.

**Syrian.** For the warmer climates, a prolific producer of fine flavor and unusual digestibility eaten raw when young. As it grows older it makes a good cooking vegetable, similar to squash. Pkt. 15c.

**DANDELION—Improved Thick Leaved.** Compact, rosette type, superior to uncultivated, blanches readily. Sow January to April.

**EGGPLANT—Improved Large Purple.** Strong plants bearing many large, handsome fruits. Sow in hotbed January to April.

**ENDIVE** (See also Chicory).

**Broad Leaved Batavian, or Escarolle.** Early, large heads, blanches readily, sow any time.

**Green Curled.** Late, medium size, green-ribbed, sow any time.

**FENNEL.** Bulb at base is eaten sliced raw or cooked, stalks and leaves also have a delicious, aromatic flavor. Sow August to February.

**KALE—Tall Green Curled Scotch.** Deeply cut leaves, curled at the edges. Vitamin-rich green vegetable. Sow August to April.

**Dwarf Green Curled.** For greens and garnishing.

**Jersey.** Thousand headed, smooth leaves, prolific; for feeding poultry.

**KOHL RABI—Early Purple Vienna.** Globular bulbs with white tender flesh; leaves green with purple veins. Sow August to February.

**LEEK—American Flag.** Early, mild flavor, short thick stems, fine for flavoring salads and soups. Sow August to December.

**LETTUCE—Heading Varieties:**

**Los Angeles Market** (New York). Large dark green crisp heads, best all-purpose variety. Sow any time in mild climates.

**Great Lakes.** All America '44, "slow to go to seed" in hot weather; crisp; Iceberg type.

**Bibb.** New, early forcing variety, medium head, fine flavor.

**Leaf Varieties:**

**Bronze Beauty.** Crisp and sweet, the deeply cut leaves have an attractive bronze sheen; does not go to seed readily in hot weather.

## Campbell's Planting Chart for the Home Vegetable Garden

Variety	Seed 100 ft.	In Calif. Sow	Distance rows	Between plants	Cover Seed	Days to Ripen
Beans, Bush	1 lb.	March-Aug.	2-2½ ft.	3-4 in.	2 in.	45-60
Beans, Pole	½ lb.	March-July	3-4 ft.	12 in.	2 in.	50-75
Broccoli	¼ oz.	Aug.-Feb.	2-2½ ft.	16-20 in.	½ in.	100-130
Beets	2 oz.	All Year	1½-2 ft.	3-4 in.	¾ in.	58-80
Cabbage	½ oz.	Sept.-May	2-2½ ft.	16-20 in.	½ in.	90-120
Cantaloupe	½ oz.	April-July	4-5 ft.	3-5 ft.	¾ in.	90-120
Carrot	1 oz.	All Year	1½-2 ft.	2-3 in.	¼ in.	70-100
Celery	¼ oz.	All Year	1½-2 ft.	4-5 in.	½ in.	120-150
Celtuce	¼ oz.	All Year	1½-2 ft.	12 in.	¼ in.	60-85
Corn	8 oz.	March-Aug.	30-42 in.	9-12 in.	2 in.	75-100
Cucumber	1 oz.	March-Aug.	4-5 ft.	1½-3 ft.	1 in.	60-90
Eggplant	1 oz.	Jan.-April	3-4 ft.	3-3½ ft.	¼ in.	120
Endive	1 oz.	All Year	1½-2 ft.	8-10 in.	½ in.	90
Lettuce	½ oz.	All Year	1½-2 ft.	½-1 ft.	½ in.	60-90
Mustard	½ oz.	All Year	1½-2 ft.	6-9 in.	½ in.	60
Onion	½ oz.	Aug.-April	1½-2 ft.	3-4 in.	¼ in.	140-180
Parsley	¼ oz.	All Year	1½ ft.	3-6 in.	¼ in.	90
Peas	1 lb.	Sept.-March	2-3 ft.	1-2 in.	1½ in.	60-230
Pepper	¼ oz.	Jan.-April	2½ ft.	2-2½ ft.	¼ in.	90-120
Radish	1 oz.	All Year	1-1½ ft.	1-2 in.	¾ in.	21-36
Spinach	1 oz.	Sept.-March	1-2 ft.	5-6 in.	¾ in.	40-60
Squash, Summer	2 oz.	March-Sept.	4-5 ft.	3 ft.	1 in.	60-75
Squash, Winter	1 oz.	April-Aug.	6-8 ft.	5-6 ft.	1 in.	90-120
Swiss Chard	1 oz.	All Year	1½-2 ft.	1 ft.	¾ in.	90
Tomato	¼ oz.	March-Sept.	3-4 ft.	3-4 ft.	¼ in.	60-90
Turnip	½ oz.	Sept.-March	1-2 ft.	3-7 in.	¼ in.	75-130
Watermelon	½ oz.	April-Aug.	8-10 ft.	8 ft.	1 in.	90-120







UTAH CELERY

**Early Curled Simpson.** Crisp, tender, broad leaves crumpled and frilled.

**Oak Leaf.** Leaves deeply cut, tender and sweet, grows well in hot weather.

**Prize Head.** Very early, loose-leaf, tender and sweet, outer leaves edged red, inner leaves wholly green, attractive in the salad bowl. Sow all these varieties all year in mild climates.

**MELONS—Muskmelons:**

**Cranshaw.** A new melon with a rich, spicy flavor, solid and meaty.

**Hale's Best.** Thick salmon-orange flesh, sweet, aromatic flavor.

**Resistant Strain 45.** Fine quality fruit, mildew resistant.

**Honey Dew.** Very sweet, green flesh.

**Persian.** Flesh thick, bright orange; distinct delightful flavor if thoroughly ripened on the vines.

**Tip Top.** Profitable, popular melon for local markets, flesh salmon-yellow, very juicy, sweet, rich flavor.

**Golden Beauty Casaba.** Requires semi-tropical conditions for best development, large globular fruit, flesh very thick, white, juicy and sweet.

**Watermelons:**

**Chilian, Black Seeded.** Rather small, round melon, rind medium green, striped darker, flesh bright deep red, very sweet.

**Klondike.** Large, oblong dark green, flesh red, crisp, fine quality.

**Klondike Striped.** Light green with dark, rattlesnake striping, rind thin, tough, very popular for its crisp sweetness.

**Schling's Midget.** New, very sweet, 6 inches long, 7 or 8 inches in circumference. Just the thing for small families and refrigerators.

**MUSTARD—Giant Southern Curled.** Peppery leaves for greens. Sow any time.

**Mustard Spinach, Tendergreen.** Valuable, heavily productive addition to our list of greens for the garden; nice flavor.

**OKRA (Gumbo).** Pods used in soups, salads, stews, and relishes. Sow April to July.

**Dwarf Long Green Pod.** Pods tender, 7 to 8 inches long, plants 2½ feet.

**Perkins Mammoth Pod.** Pods fleshy, ribbed, and tapered, plants 4 to 5 feet.

**White Velvet.** 6 to 7 inch pods, white, tender, smooth, plants 3 feet.

**ONION—Bunching.** Tender, garden variety of young, green onion.

**Australian Brown.** Best keeper, pleasant, mild flavor.

**Early California.** Large, sweet variety of splendid keeping qualities, excellent for baking and using raw.

**Southport White Globe.** Fine quality, fairly mild onion, clear white.

**Yellow Bermuda.** One of most widely used varieties, early flat onion, light, straw-colored skin, mild white flesh.

**Yellow Sweet Spanish.** Large, mild, amber, fine keeper.

**Long Red Italian.** Sweet, juicy, used raw in salads and sandwiches.

Sow Onions August to April. Pkt. 15c.

**PARSLEY—Extra Triple Curled.** Compact, fine for flavoring and garnish.

**Hamburg.** Thick parsnip-like roots for flavoring.

**Plain.** Leaves for flavoring.

Sow any time.

**PARSNIP—Hollow Crown.** Sweet flavor, needs rich soil and plenty of water. Sow August to March.

**PEAS—Dwarf; Progress 9.** Early, long pods, prolific.

**Dwarf Telephone.** Later variety, vigorous, long full pods.

**Tall! Alderman (Improved Telephone).** Medium early, sweet wrinkled peas.

**Melting Sugar or Edible Pod.** Cook whole pods when peas are half developed, delicious. Sow September to February. Pkt. 15c.

**PEPPER—California Wonder.** Sweet, large fruits, green when young, turning bright red, very productive over long season.

**Pimiento.** Thick, sweet flesh of splendid flavor, heart-shaped, fine for canning; deep green, turning deep red.

**Anaheim Chili.** Mildly hot and pungent, popular for drying and canning.

**Floral Gem.** Small, hot, for sauces and pickling, green, white, and red. Sow peppers in hot beds January to April.

**PUMPKIN—Connecticut Field.** Very large, for pies, canning, and stock.

**New England Pie (Sugar).** Earliest and best for pies.

Sow March to July.

**RADISH—Early Scarlet Globe.** Small, sweet, crisp.

**French Breakfast.** Small, olive-shaped, fine flavor, forcing type.

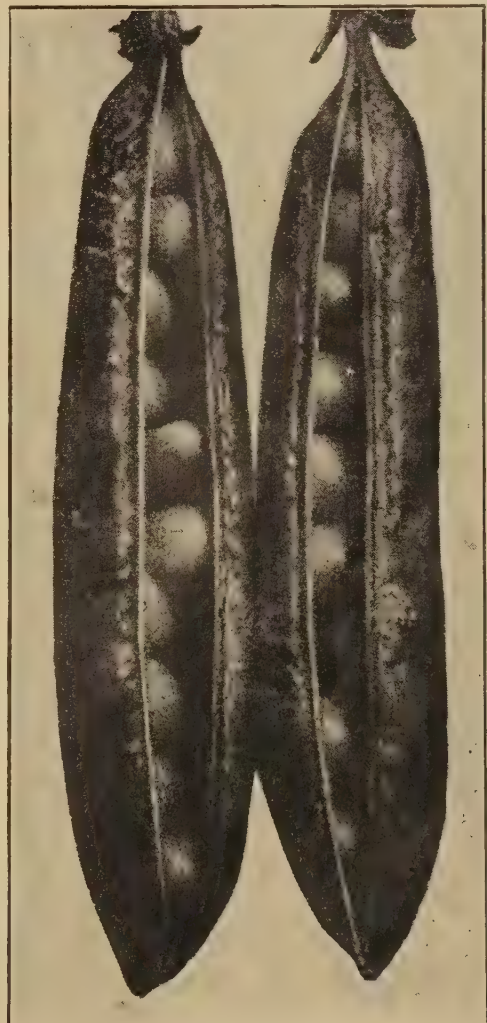
**Icicle.** Best early white; crisp and mild.

**Scarlet Turnip, White Tipped.** Handsome rosy carmine, good keeper.

**Winter Varieties, Chinese White Winter.** Crisp and mild, 8 inches long.

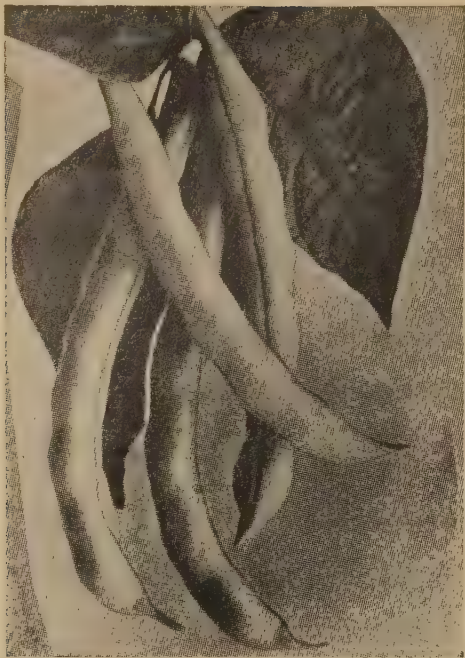
**Round Black Spanish.** Skin black, flesh white, crisp, pungent, good keeper.

Sow Winter varieties July and August. Others any time.



IMPROVED TELEPHONE PEAS





STRINGLESS GREENPOD BEANS

**SPINACH**—Dark Green Prickly Seeded. Best Winter variety for garden and canning, large crisp leaves.

**Viroflay.** Best warm weather sort, enormous yield, large, tender.

**New Zealand.** Vine type; the small, thick, dark green leaves may be gathered repeatedly without pulling the vines. Sow September to March.

**SQUASH—Summer:**

**Early Green Bush Scallop.** Popular, small, keeps its light green color longer than other varieties.

**Yellow Crookneck.** Rich in color and flavor.

**Yellow Straightneck.** Like Crookneck, but more practical for shipping and paring.

**Winter:**

**Banana.** Pinkish orange flesh, sweet, rich flavor.

**Hubbard.** Best Winter keeper, flesh deep yellow, very smooth and fine grain, matures in early Fall.

**Table Queen.** Popular home variety, small, acorn shaped, fine flavored.

Sow in Spring and Summer.

**SWISS CHARD**—Large Ribbed Dark Green. Leaves for greens, leaf stalk good asparagus substitute.

**Lucullus.** Very choice "greens," richly colored, fine ribbed. Sow January to September, any time in mild climates.

**Rhubarb Chard.** Looks like small-leaved Rhubarb, delicious cooked, striking in garden and flower arrangements, grows quickly, continues for several months. New. Pkt. 15c.

**TOBACCO**—White Burley. Pkt. 15c.

**TOMATO**—Earliana. Very superior in earliness and quality, deep scarlet, firm and smooth.

**Marglobe Supreme.** Fine all-around variety, large, round, smooth fruit, thrifty, productive, disease resistant plants.

**Norton Stone.** Deep scarlet, large, flat, but smooth, disease resistant, fine flavor, very productive.

**Pan America.** New government development, superior in quality, firmness, resistance and productivity, especially adapted to Eastern climate.

**Pearson Improved.** New, scarlet, medium size, smooth, thick skinned; for canning and shipping; vine compact.

**Ponderosa** (Beefsteak). Large, mild flavored deep pink.

**Rutgers.** One of heaviest croppers, fine quality, medium large, splendid for canning and juice.

**San Marzano.** A scarlet Italian variety, almost cylindrical, very solid, juiceless, used for tomato paste and sauce, bears heavily.

**Trip-L-Crop Climbing.** New, space-saving tomato, producing quantities of good size, rich red fruit in clusters; vines 10 to 12 feet tall.

**Small Sorts for Salads and Preserving:**

**Red Cherry.** Small, round, deep red.

**Yellow Pear.** 2-inch, sweet, pear-shaped fruit, long season.

**Ground Cherry or Yellow Husk.** Yellow-green in husks, rich sweet flavor, prized for preserves and pies.

Sow January to March in hotbeds, outside in April. Pkts. 15c.

**TURNIP**—Purple Top White Globe. Fine table variety.

**Seven Top.** For greens.

**Snowball.** Sweet, fine-grained white.

**Orange Jelly.** Best yellow.

**Rutabaga, Yellow.** Swedish Turnip. Large, mild, sweet.

Sow September to March. Pkt. 10c.

## Herbs

For flavor, fragrance, and garden-ornament. Start in flats in the Fall; transplant later on open ground.

**Anise.** With fragrant, pungent seeds.

**Balm.** Lemon scented.

**Basil.** For flavoring from seeds and leaves.

**Borage.** Adds zest to salads.

**Caraway.** For seeds on cakes and candies.

**Catnip or Catmint.** Leaves for seasoning.

**Chervil.** For salads.

**Chives.** Listed elsewhere.

**Coriander.** Seeds used for flavoring in cakes and candies.

**Dill.** Seeds used as condiment and in pickles.

**Fennel.** Sweet seeds used in confections.

**Lavender.** Flowers fragrant fresh or dried.

**Marjoram.** Leaves and shoots for flavoring.

**Rosemary.** Leaves for seasoning meats and eggs.

**Sage.** Leaves for seasoning meats and stuffings.

**Summer Savory.** For seasoning meats and sauces.

**Sorrel.** For tangy salads.

**Thyme.** For meat seasoning and medicines.

Pkt. 10c.



SWISS CHARD, LARGE RIBBED

**VIGORO—FOR LAWNS, FLOWERS, SHRUBS, TREES**



# GARDEN AIDS

## PRUNING TOOLS

- Seymour Smith Snapcut Pruning Shears**—Ladies' Size, \$1.50.  
**Wiss Snapcut Pruning Shears**—Heavy Duty Professional Size, \$2.75.  
**Corona Draw Cut Pruning Shears**—Finest hand forged steel, \$3.95.  
**Pruning Saw**—Well-tempered steel, \$2.95.  
**Wiss Grass Shears**—"Ezy-Cut" spring action, \$2.50.

## SPRINKLERS

- The Square Sprinkler**—"Gets the corners," \$2.75.  
**Spike Sprinkler**—For odd corners, 55c.

## ACCESSORIES

- Hand Cultivator**—3 hand-forged prongs adjusted by sliding band from 1 to 3 inches, \$1.49.  
**Planting Dibble**—Brass tipped, smooth curved handle, \$1.45.  
**Macabee Gopher Trap**—Rustproof, very effective, 55c.  
**Hand Sprayer**—All metal, 1 quart capacity, 75c.  
**Lowell Duster**—Compact, all metal, for applying garden dusts to plants, 85c.  
**Mist Plant Spray**—Rubber bulb type for house plants, 40c to \$1.50.  
**Sudbury Soil Test Kit**—Home gardeners' size, 20 tests, \$2.50. Garden club size, 50 tests, \$4.75.  
**Natural Raffia**—Gardeners' favorite for plant tying, 1 lb., 75c.

## PLANT FOOD

- Plant Chem, for growing with or without soil.**  
 Standard formula 100 gal. size, \$1.00  
 400 gal. size, \$2.00  
 1200 gal. size, \$5.00  
 (For Shade Plants 16 gal. size, 25c  
 Acid Tolerant) 100 gal. size, \$1.00  
**Bet-er Growe Specialized Fertilizers**—Camellia Food; Gardenia Food; Azalea and Rhododendron Food; Rose Food.  
 All above, 2 lbs., 60c; 4 lbs., \$1.00.

## ORCHID SUPPLIES

- Osmundine Fiber**—Ideal for growing Cattleyas, 1 lb., 75c.  
**Orchid Plant Chem**—50c, \$2.00, \$5.00.  
**Destruxol Orchid Spray**—Controls Thrips, Aphids, Mites, Spiders, Orchid Scale, Fungus Gnats, etc., on Orchids, Begonias, Fuchsias, Ferns. 8 oz., \$1.25.  
**California Liquid Fertilizer**—Orchid Formulae. Pt., 65c; gal., \$2.50.

## PEST CONTROLS

- Destruxol Emulsion Spray**—For Scale, Citricola, San Jose, Brown Apricot, Citrophilus, Golden Mealy Bug, Red Spider, Thrips, Aphids and Hoppers. Pt., \$1.15.  
**Destruxol Fungusol Spray**—Controls Fungus diseases and insect pests. Pt., \$1.25.  
**Weedicide Spray**—Hormone control for Broad Leaf Weeds. 8 oz., \$1.00.  
**Pyronone D.D.T. and Pyrethrum Spray**—For insects, worms, caterpillars, leaf rollers, etc. 4 oz., \$1.00.  
**Shell D.D. Soil Fumigant**—For wireworms, nematodes, centipedes. 1 pt., \$1.00.  
**Vaporite Soil Insecticide and Fumigant**—For wireworms, grubs, sowbugs, ants, mealy bug, centipedes. 1 lb., 50c.  
**Bugetta Pellets**—Kill snails, slugs, cutworms. 2 lbs., 75c.  
**Snalex, Non-poisonous**—For snails, slugs, etc. 2½ lbs., 60c; 10 lbs., \$1.80.  
**Corry's Snail and Slug Death**—Very effective for snails and slugs; little affected by water. 1 lb., 50c; 10 lbs., \$3.50.

# 5 Hayes Products —for Greener Pest-Free Gardens!

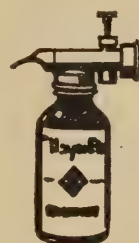
## GARDEN HOSE SPRAY GUNS

### THE Hayes Jr.

#### The All-Purpose Spray Gun

Full 3 GALLON capacity sprayer, yet easily held in one hand. Replaces heavy expensive spraying equipment. Just attach the Hayes Jr. to your garden hose, press the lever and SPRAY! Sprays up, down, sideways. For spraying vegetable and flower gardens, trees, etc., with liquid or powder insecticides.

ONLY \$6<sup>95</sup>



\$3<sup>45</sup> ONLY

### THE Hayes-Ette

#### Ideal Weed Killer Gun (2-4-D)

1½ GALLON sprayer for small gardens, etc. Ideal sprayer to apply the new 2-4-D weed killer solutions. Weighs only a little over a pound filled. Nozzle adjusts to spray up, down, sideways—with all liquid spray materials free from soap.

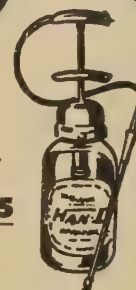
## GARDEN SPECIALTY ITEMS

### THE Hayes HAN-D

#### Revolutionary Hand Sprayer

1 quart capacity. For home, farm and garden use. Sprays all liquid insecticides and properly strained powders such as Bordeaux, Lime Sulphur and Lead Arsenate. Ideal for applying the new DDT in and around chicken houses, rabbit hutches, and dairy barns.

ONLY \$2<sup>95</sup>



### THE Hayes Sprinkl-Air

#### Amazing New AIR-Water Nozzle!



ONLY 69¢

### THE Hayes Fertl-Rain

#### Fertilizer Applicator

Fertilizes while you water—attaches to garden hose and standard liquid fertilizer bottle. Raise thumb to sprinkle clear aerated water for soaking or rinsing—lower thumb over hole to apply fertilizer properly mixed in 1-120 proportion. Ideal for fertilizing lawn, shrubs, gardens, or applying lawn moth and fungus control. Built to last a lifetime.

ONLY \$1<sup>95</sup>







### Destruxol Spray

A contact and fumigating spray for aphids, thrips, mealy bug, etc. Does not injure flowers or foliage. Especially desirable for spraying vegetables, as it leaves no residue. One ounce makes 3 to 5 gallons of spray. 1 oz. 35c, postpaid 40c; 4 oz. \$1.00, postpaid \$1.10.



### Super Destruxol Emulsion

(Contains Nicotine)

A stable oil emulsion containing vegetable, mineral and organic oils combined with free Nicotine; controls insect life by suffocation, penetration and by contact; is effective against scale, mealy bug, red spider, etc. 8 oz. 55c, postpaid 60c; 1 qt. \$1.65, postpaid \$1.75; 1 gal. \$3.50, postage extra.



### Fungusol Emulsion

A combination of oils, ether, copper and free nicotine; is both an insecticide and fungicide; especially recommended for the control of rust, mildew, aphids, thrip, rot and blight. 4 oz. 50c, postpaid 60c; 8 oz. 75c, postpaid 85c; 1 pt. \$1.25, postpaid \$1.10; 1 qt. \$2.00, postpaid \$1.90.



### Calsul

Perfectly blended and stable emulsion of lime sulphur and oil. An excellent dormant spray and for general garden cleanup throughout the season. For citrus and deciduous fruit trees. 1 qt. 85c; gal. \$2.10, f.o.b.



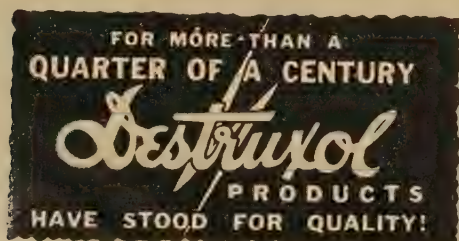
### Destruxol Sowbug and Cutworm Bait

An effective bait for these pests. Combines the poisoning agent with a natural food, thus enticing them to eat. Scatter bait wherever desired. 8 oz. 30c; 1 lb. 55c; 2½ lbs. \$1.10.



### Destruxol Orchid Spray

An emulsion for Orchids and other exotic plants. Controls Thrips, Aphids, Mites, Orchid Scale, Fungus Gnats. Fine for Begonias, Fuchsias, and delicate Ferns. Does not spot flowers. 4 oz. bottle 70c, postpaid 80c; 8 oz. \$1.10, postpaid \$1.20; 1 pint \$1.80, postpaid \$1.90.



## FEED BANDINI PLANT FOODS FOR FINER GARDENS

### BANDINI GRO-RITE



A perfectly balanced plant food containing all the vital food elements plants need. Contains Chemical nitrogen for fast action. Organic nitrogen for lasting results. Available in sizes from 2½ to 100 lbs.

### BANDINI DOUBLE SCREENED STEER MANURE



A safe mulch for new lawns and seed beds. High and uniform in quality. Double screened to remove all foreign matter—even straw. Sold in clean, easy to handle paper bags.

### BANDINI SPECIAL FOODS



Bandini Special foods are formulated to provide the food elements those special plants need for greatest growing results—Bandini ROSE FOOD — SWEET PEA FOOD — ACID FOOD — BULB FOOD —



Are available in sizes from 2½ to 100 lbs.

QUALITY IS IN THE BAG WHEN BANDINI IS ON THE LABEL

## LAWN SEEDS For Every Purpose

**GOLF BRAND.** Velvety, permanent, a mixture of fine bladed grasses for sun or shade. Lb. \$1.10.

**SCOTT'S LAWN MIXTURE.** All fine grass mixture for the average lawn. Lb. \$1.25.

**SCOTT'S DENSE SHADE MIXTURE.** For planting under trees and on the north side of the house. Lb. \$1.25.

**DOMESTIC ITALIAN RYE.** Makes a quick bright green Winter lawn, but will not stand hot weather. Lb. 20c.

**PACEY'S PERENNIAL RYE.** Finer bladed, more permanent than the Domestic Rye. Lb. 40c.

**KENTUCKY BLUE GRASS.** The most satisfactory basic lawn seed. Finest quality, high test seed for purity and germination. Lb. \$1.20.

**WHITE CLOVER.** Protects slower germinating Blue Grass; good for reseeded Bermuda lawns in the Fall. Lb. \$1.35.

**SEASIDE BENT GRASS.** Most popular for golf greens, makes a fine close turf. Lb. \$2.25.

**CHEWING FESCUE.** Fine-bladed shade grass. Lb. \$1.10.

**RED TOP.** Quick compact "filler" for partial shade, fine bladed. Lb. 95c

Prices subject to change without notice.

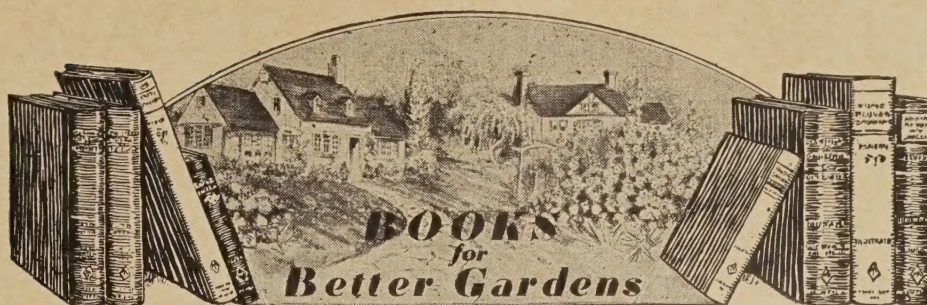
## VEGETABLES FOR VITAMINS

Garden fresh vegetables contain the richest, surest source of health-giving vitamins. Insure your family's health by growing this assortment of easily grown vegetables.

**COLLECTION SPECIAL**  
No. 12 \$1.00  
Postpaid  
Regular Value \$1.35

- 1 Pkt. Beets, Early Wonder for vitamins C, G; greens for A, G.
- 1 Pkt. Carrot, Imperator for vitamins A, B, C, G.
- 1 Pkt. Cucumber, Long Green, for vitamins A, B, C.
- 1 Pkt. Lettuce, Los Angeles Market, for vitamins A, B, C, G, E.
- 1 Pkt. Muskmelon, Hale's Best, for vitamin C.
- 1 Pkt. Onion, White Sweet Spanish, for vitamins B, C, G.
- 1 Pkt. Parsley, Champion Moss Curled, for vitamin C.
- 1 Pkt. Squash, Green Bush Scallop, for vitamins A, B.
- 1 Pkt. Tomato, Pearson, for vitamins A, B, C.
- 1 Pkt. Turnip, Purple Top White Globe, for vitamin C; greens for A, B, C, G.
- ¼-lb. Beans, White Kentucky Wonder Pole, special rust-resistant for vitamins A, B, C, G.
- ¼-lb. Corn "T" Strain Golden Cross Bantam, for vitamins A, B, C, G.





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DAHLIA, ATOMIC YELLOW





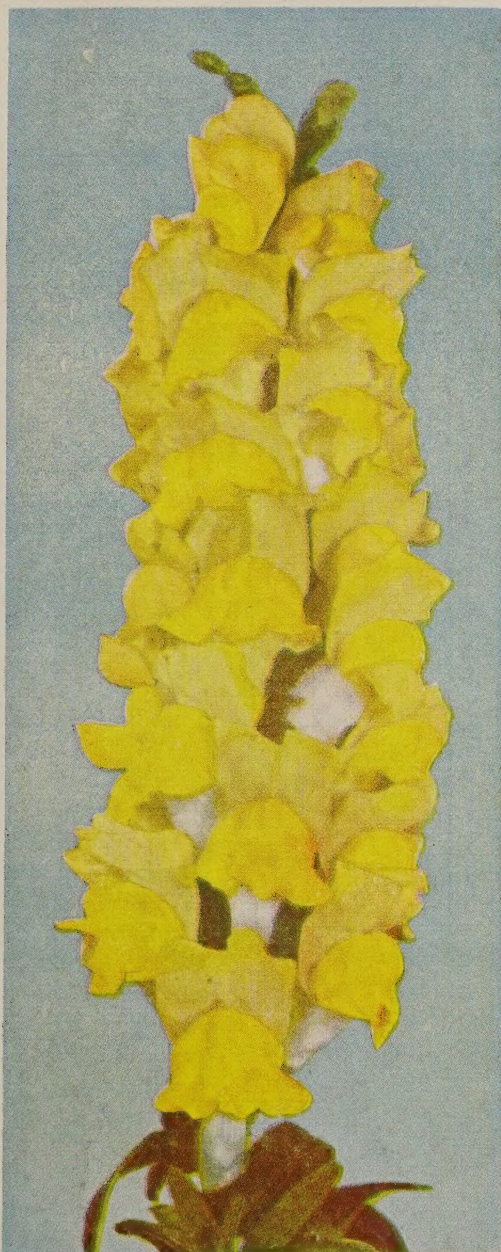
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